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BULLETIN OF

Bridgewater College

Bridgewater, Virginia

CATALOGUE NUMBER FOR THE 1964-65 SESSION

Bulletin of

Bridgewater College

BRIDGEWATER, VIRGINIA



CATALOGUE ISSUE

EIGHTY-FOURTH SESSION

1964-65

Bridgewater College welcomes visitors to its campus and inquiries about its educational program. Permission to visit classes may be obtained from the academic dean. Athletic, cultural, and social events are open to the public. Visitors should make appointments in advance with persons they wish to see and for guided tours of the campus if such tours are desired.

The College is located seven miles southwest of Harrisonburg in the town of Bridgewater in the Shenandoah Valley. It is easily accessible by automobile, bus, rail, and air. Bridgewater is on Route 42. Motorists interchange from interstate Route 11 to state Route 42 in Harrisonburg, or to state Route 257 at Mt. Crawford. State Route 257 is the northern boundary of the College campus. The closest railway stations are Staunton on the Chesapeake and Ohio and Elkton on the Norfolk and Western. Piedmont Airlines serve Bridgewater. Travelers to and from Bridgewater emplane and deplane at the Shenandoah Valley Airport near Weyers Cave.

The mailing address is Bridgewater College, Bridgewater, Virginia. The telephone number is Bridgewater 828-5176.

Letters to the College should be addressed, according to the nature of the inquiry, as follows:

1. *Academic Dean*—academic requirements, evaluation of credits, curricula and courses of study
2. *Alumni Secretary*—alumni affairs and church relations
3. *Business Manager*—expenses, plans for payment of tuition, accident insurance, permits to keep automobiles, and other business matters
4. *Director of Admissions*—admission procedures, catalogues, viewbooks, scholarships and financial aids, and other information for prospective students
5. *Director of Religious Activities*—student religious life and activities
6. *Dean of Students*—general student affairs, housing
7. *Director of Summer School*—all matters pertaining to the summer session
8. *Registrar*—student records and transcripts
9. *President*—bequests, development program, foundations, and general matters pertaining to the College

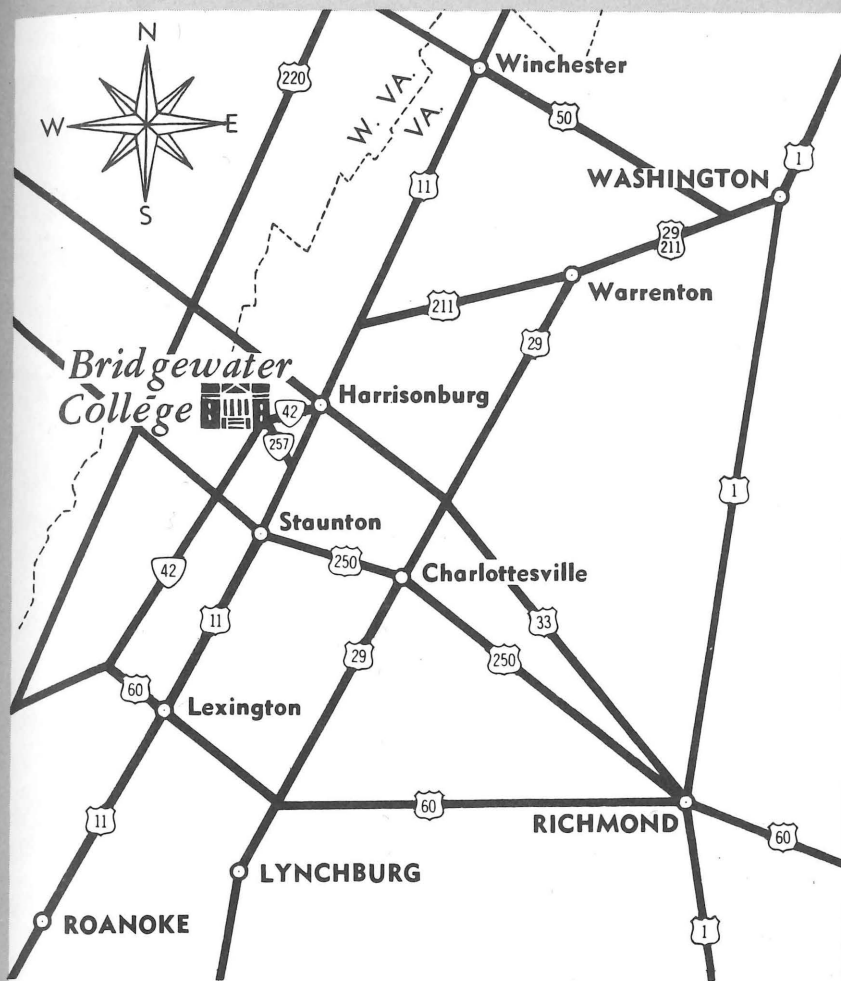
BRIDGEWATER COLLEGE BULLETIN

VOLUME XXXIX

OCT., 1963

NUMBER 3

Published four times each year by Bridgewater College, Bridgewater, Virginia. Entered as second class matter at the post office at Bridgewater, Virginia, under Act of Congress of August 24, 1912.



Bridgewater is easily accessible by motor over some of the most scenic and historic routes in Virginia.

Distance In Miles From Bridgewater

Baltimore, Md.180
 Charleston, W. Va.235
 Columbus, Ohio325
 Dover, Del.220
 Hagerstown, Md.110
 Harrisburg, Pa.180
 Johnson City, Tenn.278
 Lynchburg, Va.95
 Morgantown, W. Va.150

New York, N. Y.345
 Norfolk, Va.215
 Philadelphia, Pa.265
 Pittsburgh, Pa.220
 Raleigh, N. C.230
 Richmond, Va.125
 Roanoke, Va.110
 Washington, D. C.125
 Winston-Salem, N. C.184



President Warren D. Bowman (seated) and R. Douglas Nininger of Salem (standing), Chairman of the Board of Trustees, chart the development of Bridgewater.

Choosing a college is one of the most important decisions young men and women have to make. They will spend four of the most formative years of their lives in the college they choose. There, some of them will begin preparation immediately for their vocations; there, others who entered without having made a vocational choice will be given an opportunity to commit themselves to a vocation under expert guidance.

In making their choice of a college, students will, therefore, naturally consider the academic rating of the institution, the strength of the faculty, the quality of the students, the curricula offerings, the preparation it can provide them for their profession, the opportunities for personal enrichment, and the spiritual atmosphere of the campus.

As students study this catalogue, they will note that Bridgewater is a liberal arts college. It prepares young people for numerous vocations, and gives pre-professional training for a number of professions. But most of all it provides a broad education designed to prepare an individual to live effectively as a responsible world citizen.

The heart of an institution of learning is the faculty. Bridgewater has a superior faculty, comprised of men and women of high intellectual ability, of sound scholarship, of Christian character, who can teach effectively, and who take a personal interest in each student.

Bridgewater strives to enroll students of high ability, of academic promise, of Christian character, who will accept civic responsibility, use their freedom wisely, and prepare for some worthy field of service.

Under the guidance of devoted teachers, students at Bridgewater are taught to work independently, to think clearly, and to make sound judgments. They are guided to discipline themselves in habits of study and in personal living.

WARREN D. BOWMAN
President of the College

College Calendar 1964-65

S U M M E R T E R M 1 9 6 4

June 15	Summer Term Begins
August 8	Summer Term Ends

FIRST SEMESTER

September 7-9	Meetings of the Faculty
September 9-11	Faculty-Student Planning Conference
September 11-12	Registration of Freshmen
September 14-15	Registration of Upperclassmen
September 15	Faculty Reception to Students
September 16	Classes Begin
September 16	Convocation
October 10	Homecoming (no classes)
October 17	Parents Day
November 7	Mid-semester Grades
November 25	Noon—Thanksgiving recess begins
November 30	8:00 A. M.—Thanksgiving recess ends
December 17	Noon—Christmas recess begins
January 4	8:00 A. M.—Christmas recess ends
January 20	Examinations begin*

SECOND SEMESTER

January 29-30	Second Semester Registration
February 1	Classes begin
February 9-11	Sixty-Ninth Spiritual Life Institute
March 11	Senior Comprehensives
March 20	Mid-semester grades
March 25	Noon—Spring recess begins
March 31	8:00 A. M.—Spring recess ends
April 7	Founder's Day
May 1	May Day
May 19	Examinations begin*
May 29	Alumni Day
May 30	11:00 A. M.—Baccalaureate Service
May 30	3:00 P. M.—Commencement

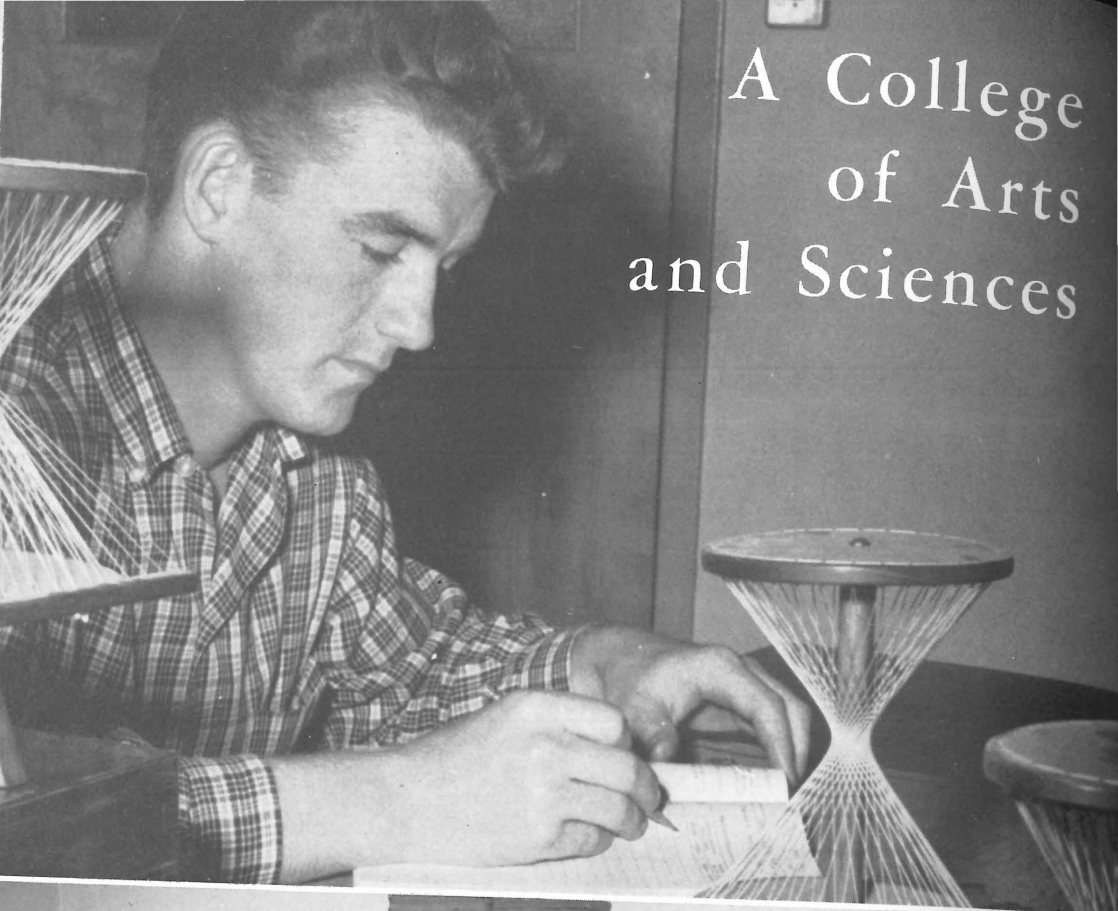
*First day to be a reading day, no examinations.

The Bridgewater Catalogue is a multi-purpose bulletin. Since it serves as an official record of the College, it describes the courses of study, explains the rules and regulations, states the cost of attendance, contains registers of the administration, faculty, and senior class of the preceding year, and suggests the spirit that pervades the campus. The catalogue, therefore, serves as a reference to faculty and students and also as an introduction to prospective students and their families and friends. The *Table of Contents* gives the major divisions of the catalogue; the *Index* at the back of the book will help you easily locate specific information in which you might be interested.

Table Of Contents

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A College of Arts and Sciences



A college of arts and sciences, Bridgewater aims to provide for breadth of intellectual experience as well as for proficiency in specific subject fields. Broadly speaking, its objective is a comprehensive grasp of the humanities, the social studies, and the natural sciences rather than technical or vocational training.

Bridgewater is concerned, however, with giving its graduates a long head-start in their vocational work; it is interested in their general occupational competence and success; and it intends them to become proficient businessmen, doctors, engineers, clergymen, scientists, teachers, or whatever. But it leaves the specific training needed for these vocations to the graduate school of business, the medical school, the engineering school, the seminary, or the university. And it concentrates on developing the whole man so that the student who goes on to technical or professional school, or the one who goes directly from undergraduate work into business or industry, will also be able to participate in adult life with elasticity of mind and judgment, with imagination in dealing with unexpected emergencies, with disciplined taste and enjoyment, and with a sharpened ability to reason. This concentration on the whole man—this emphasis on general education—is what differentiates the college of arts and sciences from technical and professional schools.

Concentrating on the whole man is not just a meaningless phrase. A liberal education—the education Bridgewater strives to give—must aim to help a student gain as complete understanding of himself as knowledge makes possible. A recognition of one's capacities and limitations is the beginning of wisdom. A college of arts and sciences dedicates itself to helping a student find out how he thinks, what he feels, why he acts, and who he really is. It dedicates itself to enabling him to discover his own identity.

According to John Donne, "no man is an island unto himself;" certainly not in an age of jet propulsion and space exploration wherein the student goes out from the halls of academe to become a citizen of a country, a globe, and of interplanetary space. Therefore, it is more important than ever that education should develop in students an appreciation of the complex relationships which bind man to man and men to God. Believing that religion is the integrating principle in the lives of men and women, Bridgewater emphasizes the oneness of creation, the fatherhood of God, and the freedom and obligation of each individual to develop his own personality.



The porch of Bowman Hall at twilight in spring.

Life in a college of arts and sciences such as Bridgewater can become a journey of exploration and discovery to the student who commits himself unreservedly to the life of the mind. In the library, the classroom, the laboratory; in his room, in the lounge, or on the playing field, he may discover his life's work. Many have done so and still do.

Bridgewater in striving to live up to its commitment as a college of arts and sciences, therefore, seeks to teach its students:

1. To speak and write their own language with clarity, precision, and effectiveness.
2. To use with some degree of skill at least one foreign language.
3. To understand the economic, political, and social structure of the society in which they will live.
4. To understand the methods and philosophy of science.

5. To appreciate art, music, and literature with sensitivity, discriminating taste, and critical judgment.
6. To secure knowledge in depth in at least one field of concentrated study.
7. To become wiser by training them to think both critically and creatively and by encouraging them to develop a set of ethical and spiritual values by which to order their lives and to make relevant use of their knowledge for the common good.
8. How to become and remain healthy, emotionally mature, and socially adjusted.

In conclusion, the education offered at Bridgewater is not narrow, but broad, deep and liberating. It emancipates one from narrow provincialism and from the distortion of subjective bias; it frees the creative individuality and develops the art of the examined life. It teaches one to recognize problems in current affairs, to evolve theoretical solutions for them, and to test the proposed solutions in action. It helps perpetuate basic values and to plan for such changes as are essential. It teaches one, while recognizing that truth is not fully known, to submit to the best and fullest truth that can be known.

The library is the heart of a college of arts and sciences.





Bridgewater, Past and Present



President Warren D. Bowman poses with the portrait of Daniel Christian Flory, founder of Bridgewater.

BRIDGEWATER was established in 1880 as Spring Creek Normal and Collegiate Institute by Daniel Christian Flory, an alumnus of the University of Virginia, and a young progressive leader in the Church of the Brethren, a German Baptist sect, organized in Schwarzenau, Germany, in 1708 by Alexander Mack. Nine years later the school was named Bridgewater College and chartered by the State of Virginia to grant undergraduate degrees. Bridgewater conferred its first degrees June 1, 1891, thereby becoming the first Church of the Brethren College ever to grant degrees.

The founding fathers wisely conceived of and organized Bridgewater as a residential college because they realized that students learn from one another as well as from the faculty. They felt that the conversation of all the students would be a series of lectures to each. They knew that students from widely different places, holding varied views and opinions, would have much to generalize, to adjust, to eliminate, and many inter-relationships to be refined in living together over a period of four years. They surmised that successive student bodies would develop a self-perpetuating tradition which would be educational in itself.

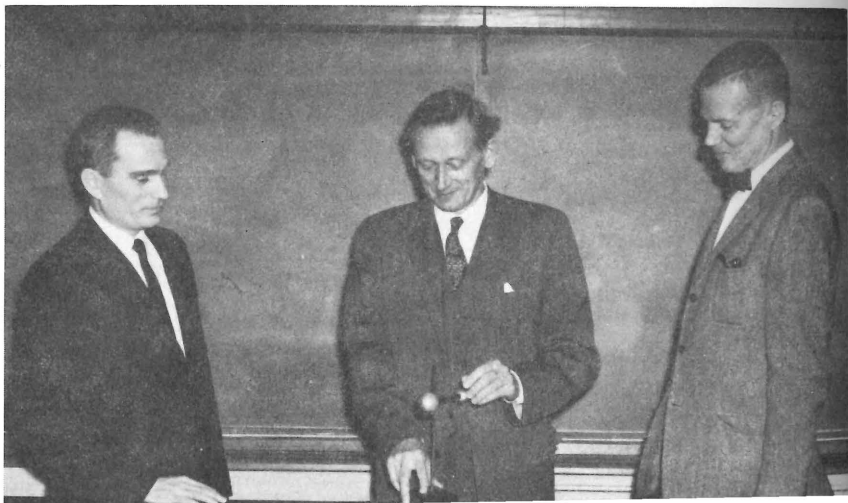
Two major influences, the University of Virginia and the Church of the Brethren, have shaped Bridgewater as an educational institution and created its personality. Its affiliation with the Church of the Brethren since its founding, and its Georgian architecture, Honor Code, and seal on which is inscribed Truth, beauty, goodness and usefulness

bear testimony to the strength of these two shaping influences.

Besides Daniel Christian Flory, the founder of Bridgewater, its first two presidents, three of its four academic deans, and many of its strongest teachers were educated at Virginia, Thomas Jefferson's university. Two of these men, John S. Flory, Sr., the second president of Bridgewater and one of its most influential teachers, and John W. Wayland, one of its distinguished teachers who is noted as the historian of the Shenandoah Valley, while graduate students at Virginia, became charter members of the Raven Society, an honor society organized there in 1904. While students at Virginia, all these men imbibed Jefferson's ideals of freedom of thought and expression, of rugged individualism, and of quality education and carried them to and established them at Bridgewater. Succeeding generations of faculty members and students have jealously guarded them.

The Church of the Brethren, a pietistic and pacifistic Christian body with which Bridgewater has been affiliated since its founding, insisted from the beginning that the College should recognize the supreme right of every person—regardless of race, sex, class, or clan—to the full development of his powers. As a result, Bridgewater became the first co-educational liberal arts college established in Virginia and the only accredited church-related one in the South which was not greatly disturbed by the Supreme Court's desegregation decision of 1954. Bridgewater's sponsoring agency has also insisted that the College's educational program should emphasize ethical and spiritual values. This emphasis on values can be discerned in the course-offerings in religion, in the chapel program, in an inclination to think well of

Bridgewater's Visiting Scholars Program brings specialists in many fields to the campus to confer with faculty members and students.



A student from the Far East models his native dress for fellow students.



people, in the stress placed on inner-directed character, and in a strong social consciousness.

Daleville College at Daleville, Virginia, was consolidated with Bridgewater in 1923. Blue Ridge College at New Windsor, Maryland, was affiliated with Bridgewater in 1930. In 1937 the Blue Ridge College plant was sold to the Church of the Brethren Service Committee. After all legal debts of Blue Ridge had been liquidated, its remaining assets of \$44,861 were transferred to Bridgewater as a scholarship fund for qualified Brethren youth from Maryland. The consolidation of Daleville with Bridgewater in 1923 and the sale of Blue Ridge and the transfer of its assets to Bridgewater in 1937 transformed Bridgewater from a small local college into a regional one with a territory extending from the northern boundary of Maryland to the southern tip of Florida and from the Atlantic Ocean to the Mississippi River. This enlargement of Bridgewater's territory and constituency was achieved through the educational statesmanship of Paul H. Bowman, who was then president.

To further stimulate scholarship on the campus and to enrich the cultural life of the student body, Bridgewater became a member of the University Center in Virginia in 1960 and a participant in a cooperative program of undergraduate study abroad in 1962. Membership in the University Center brings recognized visiting scholars to the campus and makes possible grants-in-aid for faculty research. The undergraduate study abroad program makes it possible for a



*President Warren D. Bowman
congratulates a winner of an
assistantship in Mathematics
to the University of Illinois.*

select group of superior students to spend their junior year in Marburg, Germany, and to take course work at Phillips Universitat, Marburg on the Lahn, more familiarly known to most Americans as Marburg University.

Bridgewater has a student body of approximately 700 men and women from eighteen states and several foreign countries who represent many races and creeds. The college offers the Bachelor of Arts and the Bachelor of Science degrees. The Bachelor of Science degree may be taken either in business administration, in home economics, or in music education. Electing to keep its enrollment small, Bridgewater maintains a faculty-student ratio of 1:15, thus insuring that the College knows its children one by one.

Bridgewater insists that its teachers be not only proficient and inspiring disseminators of knowledge, but that they also be creators of it. Faculty members do research, read papers before learned societies,

and publish books and articles. This emphasis on the search for knowledge results in student-faculty research and in both a challenging honors program for superior students and a good guidance one also.

These generalizations are supported by academic facts. Each year more than a third of the graduating class enter graduate and professional schools. According to the *Journal of Southern Research*, Jan.-Feb. issue, 1954, Bridgewater ranks fifth among Southern Colleges and Universities in directing undergraduates into graduate work in the pure sciences. According to the Tritten report issued in 1956 by the National Academy of Sciences, National Research Council, Washington, D. C., Bridgewater ranks among the top third of the 933 undergraduate degree granting colleges of arts and sciences in the nation in directing undergraduates into graduate work in the arts, humanities, social sciences, and pure sciences.

Over the years Bridgewater graduates have regularly received fellowships and assistantships for graduate and professional study from such universities as Yale, Columbia, Florida, Illinois, Purdue, New York University, North Carolina, Virginia, and Wisconsin. Included among the fellowships top Bridgewater scholars have received during



A Woodrow Wilson Fellow.



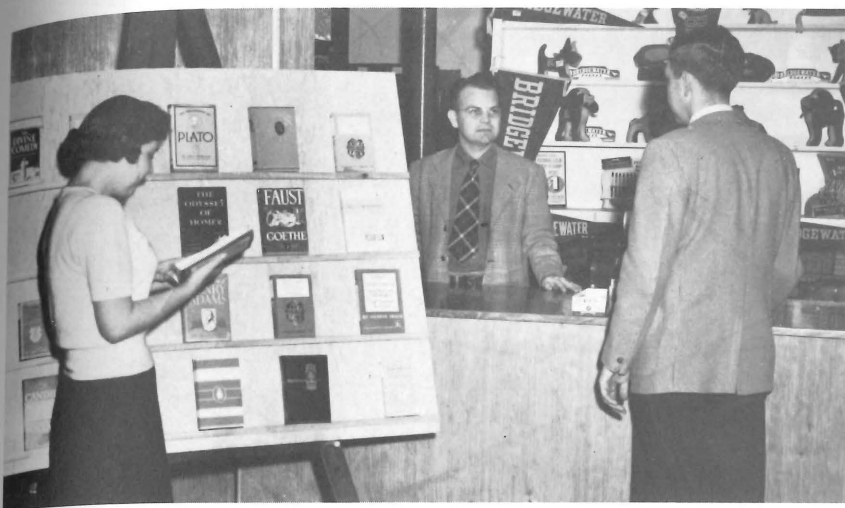
A Fulbright Scholar.

the past five years are Fulbright, Woodrow Wilson, National Science Foundation, and Rockefeller Brothers Theological ones and Root-Tilden Fellowships in law at New York University.

Bridgewater has never lost sight of the fact that it was founded as a normal and collegiate institute and then developed into a college of arts and sciences. Each year about 35% of its graduates enter public school work. Bridgewater ranks near the top among the independent colleges in Virginia in the number of teachers it trains. Its contribution to higher education has been greater than that to elementary and secondary education. Bridgewater alumni are on the staffs of colleges and universities throughout the land. For example, the dean of the School of Education at Cincinnati, the head of the Department of Statistics at V. P. I., the head of the Department of Drama at Connecticut, a professor of English at Northwestern, the dean of Franklin and Marshall College, a professor of geology in Hunter College of New York City, a plant pathologist at the University of Florida, and the president of Fairmont State College at Fairmont, W. Va. are all Bridgewater alumni.

Acceptance by its peers in the field of education is the desire of every school. Bridgewater was accredited in 1925 by the Southern Association of Colleges and Schools and has been a member in good standing ever since. It is also accredited by the State Board of Education of Virginia. Bridgewater is a member of the Association of American Colleges, of the Association of Virginia Colleges, and of the American Council on Education.

Bridgewater has had an honorable history, spanning more than three-quarters of a century. It has been true to the Jeffersonian and Brethren ideals of her founders by encouraging freedom of thought, by pioneering in co-education and integration, by growing and developing to meet the changing needs of the passing years, by insisting on high scholastic standards, and by educating good men and useful citizens.



Reading the masterpieces of Western Civilization is a part of the Bridgewater educational program.



Bringing art exhibits to the campus regularly is a part of Bridgewater's educational program.



Campus Setting and Facilities

Bridgewater College is located in the heartland of the Shenandoah Valley which is famed in song, in story, and in history. East of the campus blue mountains on whose summit runs the Skyland Drive "rise to kiss the skies;" west of it tower the stately Alleghanies in a smiling valley of which nestles the mountain village of Singers Glenn, home of Joseph Funk, founder of the village and "father of the old singing school in the South," and also the birthplace of Aldine Kieffer, his brilliant grandson, who has been called the "Valley poet."

Situated in such a beautiful and historical region, the Bridgewater campus comprises thirty acres. Its white-columned Georgian buildings, spacious lawns, winding walks, lofty arching trees, and a friendly atmosphere give the campus a distinctive charm and personality.

RESIDENCE HALLS

The rooms in all the residence halls are provided with single beds, mattresses, dressers, chairs, tables, bookshelves, window shades, and electric bulbs. Students provide linens, bedding, pillows, curtains, table lamps, rugs, and other furnishings desirable to make the rooms more attractive and comfortable. The residence halls for both men and women are described below.

Blue Ridge Hall, a resident hall for 106 women, was erected in 1949. Besides providing living accommodations for women, it contains facilities for the social life of the college and a suite of rooms for the use of visiting alumni. The name of the hall honors Blue Ridge College of New Windsor, Maryland, which was discontinued in 1937.

Daleville Hall, another resident hall for women, houses 105 students, together with a director of residence. It was built in 1962-63. The name of the hall honors Daleville College of Daleville, Virginia, a Church of the Brethren college, which was consolidated with Bridgewater in 1923.

Rebecca Hall, erected in 1928-29, houses the refectory on first



Rebecca Hall, the refectory, is operated as a modern cafeteria.

floor and provides living quarters on the second floor for 38 women. The building is named in honor of Mrs. Rebecca Driver Cline, wife of Benjamin Cline of North River, Virginia, who donated \$10,000 to help pay for its construction.

Yount Hall, another residence for women, was constructed in 1905. Its name commemorates the valued services of Walter B. Yount, Bridgewater's first president, and also the services of his gifted mother, Mrs. Margaret C. Yount.



Discussions, innocent flirtations, and companionship in the College Snack Shop.



The beginning of lasting friendships.

North Hall, an emergency residence for 70 men, has been razed. A new residence hall for 156 students and a director of residence is being built to replace it. This hall, designed as a companion one to *Wright*, is scheduled to be completed September 1, 1964.

Wardo Hall, a residence for 70 men, was erected in 1910. The building has been modernized several times. The rooms are ample in size, well lighted, and properly ventilated.

Wright Hall, erected in 1958-59, accommodates 141 men and contains apartments for three residence hall directors, reception rooms, and recreation rooms. The name of the hall honors the late Frank J. Wright, the first dean of the College who was a distinguished geologist, and his brother, the late Charles C. Wright, who served the College for thirty-nine years as professor of economics, dean, and president.

ADMINISTRATION AND EDUCATIONAL FACILITIES

Bowman Hall, erected in 1953, houses the natural and social science divisions. The name *Bowman Hall* honors Samuel M. Bowman and Paul H. Bowman. Samuel M. Bowman gave the College an estate now valued at \$149,043 to promote instruction in biology, agriculture, and home economics; and Paul H. Bowman served the College most ably as president for twenty-seven years.

Cole Hall was erected in the summer and fall of 1929 as the auditorium section of a future administration building. The auditorium seats about 700 people and is equipped with a modern stage, dressing rooms, a stage lighting system, motion picture and sound equipment, two artist grand pianos, and a three-manual Moller organ with twenty-

two sets of pipes. The name of the building perpetuates the memory of Dr. Charles Knox Cole. It is a gift of his daughter, Mrs. Virginia Garber Cole Strickler.

Founders Hall, erected in 1904, was remodeled in 1953 to accommodate the administrative offices, including the alumni and public relations offices, six classrooms, and the College post office. The name of the hall honors the men and women in the early history of the College who sacrificed greatly to insure Bridgewater's continuous development.

Alexander Mack Memorial Library, erected in 1962-63, is designed to house 115,000 volumes and to seat 275 readers. Special features included in it are a Brethren Room, a Bridgewater Room, faculty studies, a listening room, the Archives Room, a seminar room, and a conference room.

Air conditioned and functional in every respect, the *Alexander Mack Memorial Library* is constructed of brick, concrete, pressed stone, and steel. Its name and a memorial plaque built into the structure honor Alexander Mack, founder of the Church of the Brethren in Schwarzenau, Germany, in 1708.

Memorial Hall, formerly known as Stanley Hall, was built in 1890. In 1927 it was renovated and re-dedicated as *Memorial Hall*. The building, containing tablets and portraits memorializing men and women important in the history of the College, is a campus landmark. It was modernized again in 1953. The first floor was made into a band room, a listening room, music classrooms, and practice rooms; the second floor has been converted into studios, a music stock room, a lounge, and a recital hall which is equipped with pianos and a concert model of the Hammond organ; and the basement has been made into a modern snack shop and bookstore.

The Health and Physical Education Building was completed and put into use in February, 1958. A basketball court equipped with folding bleachers with a seating capacity of 2,000, another large playing court, two classrooms and a suite of offices occupy the first floor. Locker rooms and showers for both men and women, handball courts, laundry, and storage space for equipment are provided on the ground floor.

Riverside Field, located on the north bank of North River, and purchased in 1923, is one of the most spacious and attractive College

athletic fields in Virginia. It includes a baseball diamond, football field, track, and a large general playing field. The Classes of 1923, 1924, 1925, and 1926 and many other friends and alumni made contributions toward the purchase and development of this field.

The Bridgewater College Street Church of the Brethren is located on the campus. The first structure on the present location was erected in 1914. A new sanctuary and additional facilities for Christian education were added in 1953. The faculty and students are cordially welcome to study and to worship here.

REUEL B. PRITCHETT MUSEUM

Elder Reuel B. Pritchett of White Pine, Tennessee, gave his large collection of old books, old Bibles, and articles of antiquity to the College in 1954. The collection consists of 175 rare books, including a copy of a Bible published in Venice in 1482, and seven Bibles printed in Philadelphia in the Eighteenth Century by Christopher Sauer. Over 5000 other items are included in the collection. The collection is housed in Bowman Hall. All items in it have been catalogued and are now available for inspection and study.

OTHER FACILITIES

The Bicknell House, purchased in 1958.

Broad Street Apartment, acquired through gift and purchase in 1947 from Dr. J. M. Henry.

The College Apartments, built in 1920 for faculty housing.

The College farm, comprising 100 acres.

College View Drive, a housing development for faculty members.

East Hall, used as an infirmary.

The George B. Flory House, purchased in 1919.

The Gymnasium, erected in 1908.

The Heating plant, constructed in 1921.

The Home Management House, purchased in 1932.

The Mary F. Early Missionary Home, a memorial to a loyal friend of education.

The Virgil Miller House, purchased in 1962.

The President's Home, built in 1949.

The Virginia Cole Strickler Apartments, erected in 1956 for faculty housing and as a memorial to Virginia Cole Strickler, a devoted friend and great benefactress of the College.

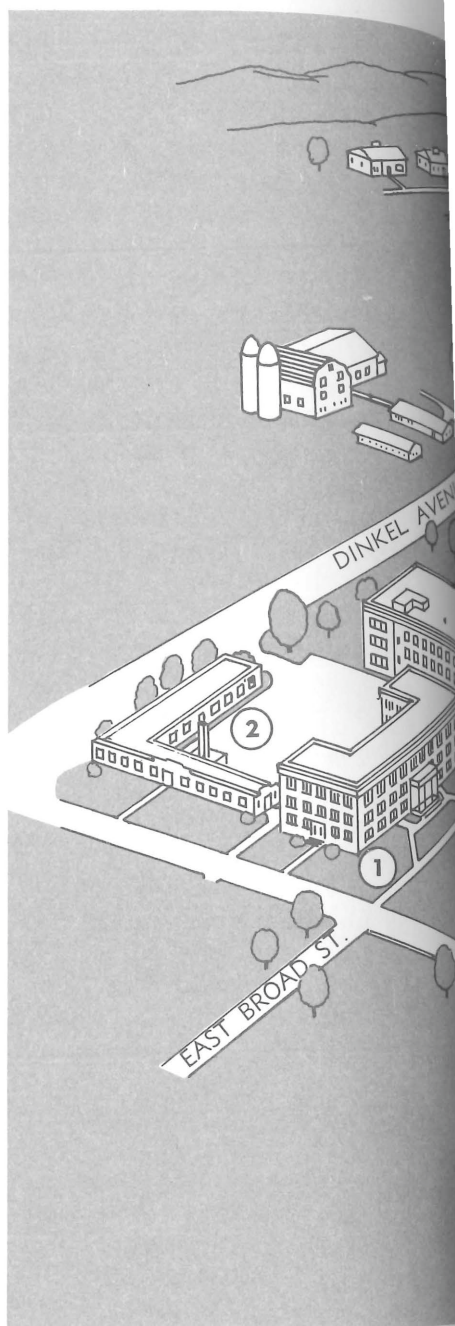
THE BRIDGEWATER CAMPUS

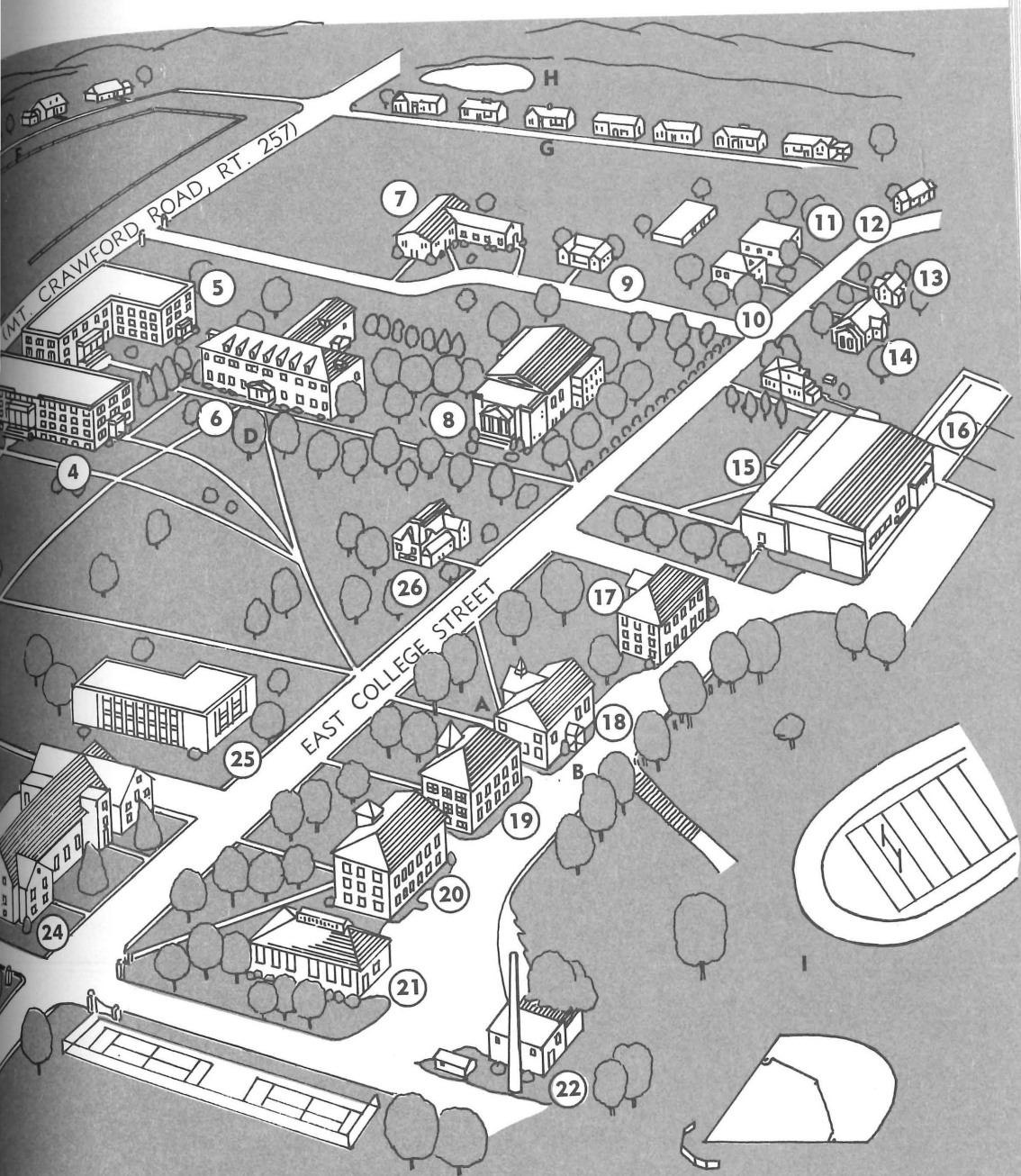
KEY TO BUILDINGS

1. Wright Hall, men's residence
2. Residence hall for men, to be constructed in 1963-64
3. Bowman Hall
4. Blue Ridge Hall, women's residence
5. Daleville Hall, women's residence
6. Rebecca Hall, The Refectory and a woman's residence
7. East Hall and Infirmary
8. Cole Hall
9. College Cottage
10. Home Economics Management House
11. Old Apartment House
12. Virginia Cole Strickler Apartments
13. Bicknell residence
14. President's home
15. Health and Physical Education Building
16. All-weather tennis courts
17. Yount Hall, women's residence
18. Memorial Hall
19. Founders Hall
20. Wardo Hall, men's residence
21. Old gymnasium, now maintenance building
22. College heating plant
23. Robert Wright Cottage
24. Bridgewater Church of the Brethren
25. Alexander Mack Library
26. Business Office Annex, George B. Flory residence

POINTS OF INTEREST

- A. Old Memorial Chapel
- B. Snack Shop and Bookstore
- C. Pritchett Museum
- D. College Dining Room and Cafeteria
- E. College Farm
- F. College Woods Drive, faculty homes
- G. College View Drive, faculty homes
- H. College fishing pond and picnic area
- I. Riverside Athletic Field







Student Life

Government

A College of arts and sciences ideally is "a place where small groups of students live together in mutual good will, in friendly helpfulness, and in earnest study." In the words of Woodrow Wilson, "it is a mode of association . . . a free community of scholars and pupils." The words "free community" suggest common interests, living in the same place under the same laws, and participation in making and carrying out of the laws governing the members thereof. Bridgewater has not realized completely this ideal of a college community, but it has achieved it in part.

THE STUDENT SENATE

Both the faculty and the student body participate in the operation of the College. The faculty is a powerful force in determining policy on both academic and general College matters. The Student Senate, a strong student government organization, involves the students in the College's operation. Through this governmental body, the individual student fulfills the role of a voting citizen in a community of 700 citizens, helps mold student opinion and present it to the faculty, co-operates with the faculty in interpreting College traditions and academic standards, directs the Honor System, and serves as a general governing body for student extra-curricular activities. In general the Student Senate is charged with the management of non-academic matters. It is a representative body of students with a faculty advisor. Its charter or constitution and the detailed regulations under which it operates are set forth in the *Eagle*, the student handbook.

THE HONOR SYSTEM

Honor, personal integrity, and also faith in and respect for the pledged word of another, is the basis of the Bridgewater Honor System. The Honor Code applies to lying and cheating in academic work and to all cases of stealing of personal property. The Honor System is controlled and administered by the Honor Council, an important adjunct of the Student Senate. The rules and regulations under which it functions are contained in the *Eagle*.

CULTURAL ACTIVITIES

The Committee on Cultural Affairs promotes appreciation of the fine arts by bringing to the campus touring theatrical companies, stage personalities, professional musicians, and noted lecturers. It also presents a series of artistic foreign and domestic films. For the directives under which this committee operates, see the *Eagle* and the *Faculty Handbook*.

SOCIAL COMMITTEE

The Committee on Social Life plans and executes a recreational and social program. It sponsors formal and informal dances, receptions, teas, informal parties, and special events. It plans and executes the annual Sweetheart ball, Christmas Party and May Day pageant and co-operates with the Alumni Director in planning and executing the Homecoming Day celebration. For the directives under which this committee functions, see the *Eagle* and the *Faculty Handbook*.



Annually, near the first of May, a pageant is staged during which a senior girl is crowned Queen of May.

Student life at Bridgewater, therefore, is an opportunity to practice personal freedom within limits and to grow in maturity in the discharge of responsibilities. And so a liberal arts education on a residential campus such as Bridgewater's approaches the ideal that a College is

not only a place of study, but that it is also one where students have common interests, and live in the same place under the same laws which they help make and carry out.

ADMINISTRATIVE REGULATIONS

Although Bridgewater students enjoy much personal freedom, there are certain areas of college life in which they are restricted. In order to provide a desirable environment and to promote the general welfare of the student body, the College prohibits the possession, use,

or handling of alcoholic beverages, gambling, hazing in any form, and the possession, use or handling of firearms and fireworks in the residence halls and on the campus.

If at any time the conduct of any student becomes detrimental to the work of his fellow students and to the best interest of the College, the administration reserves the right to request his withdrawal from the college community. If and when a student is asked to withdraw, there is no refund of fees.

The use of profanity is discouraged, and smoking is restricted. The possession of automobiles by resident students is also discouraged. Permission to keep an automobile must be secured through the office of the treasurer of the college. No resident freshman under twenty-one years of age is permitted to keep a car at Bridgewater.

Automobile travel and athletic activities involve an element of hazard which students and parents should recognize. The college is always cooperative and helpful in cases of accidents and injuries but is not liable for any expenses resulting from them. Accident insurance is compulsory at a small cost.

Marriage of students during the academic year is considered unwise. Should a student wish to marry during the session and to remain in College as a student, he should secure the consent of the president prior to his marriage.

Since Bridgewater is acutely conscious of freshmen problems, the College places on them certain restraints in the interest of their academic success.

Bridgewater discourages frequent absences from its campus by students, whether for the purpose of going home or for visiting elsewhere, because absences break the continuity of academic work and harm the student's academic record. Parents are asked to cooperate fully in keeping at a minimum student absenteeism from the campus.

Sales representatives are not permitted to make solicitations in the dormitories except upon permission of the Administration. Students acting as sales representatives must secure a permit from the business office.

The College operates a snack shop on the campus to provide sandwiches and refreshments to students and faculty. No other group of students is permitted to sell refreshments on the campus without a permit from the business office of the College.

RESIDENT HALL REGULATIONS

Students are held responsible for the proper care of their rooms and furniture. Damages to such will be charged to the occupants of the room. Damage to other college property by students will likewise be chargeable to them.

Electrical equipment and installations must be approved by the Superintendent of Buildings and Grounds. The use of hot plates, however, is discouraged because of insurance regulations.

Room inspections are made occasionally.

Students are required to vacate their rooms during the Christmas and Easter recesses unless special arrangements are made with the Superintendent of Buildings and Grounds in advance.

A student who wishes to retain his room for the following session must file his application between April 1 and April 15. After April 15, all rooms which have not been reserved are open for general assignment by the Dean of Students. The Dean of Students reserves the right to shift assignments if it seems advisable for the mutual interest of the student and the College.

Students living away from home are required to live at the College. Permission may be granted to upperclassmen to live in town for valid reasons upon written application to the Dean of Students prior to registration.

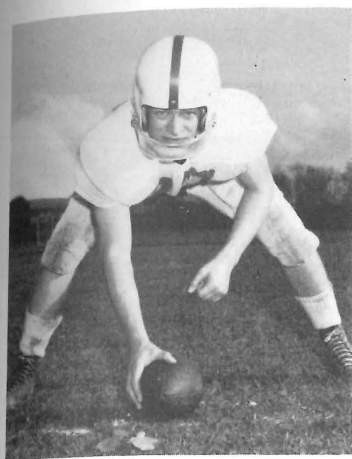
The conditions and provisions set forth in this catalogue should not be considered as a contract between the College and the student. The College reserves the right to make changes in conditions and provisions when such changes seem necessary and wise. In practice such changes are rarely retroactive.

A modern gymnasium with a seating capacity of 2,000 for basketball games and other indoor contests.



Student Organizations

ATHLETICS



A strong believer in the old Roman adage of a sound mind in a strong body, Bridgewater encourages all students to participate in sports by fostering a challenging intramural program and a varied intercollegiate one. The College believes that actually competing in sports is far more rewarding than being a spectator at sports events.

The intramurals program includes badminton, basketball, touch football, softball, tennis and volley ball. In intercollegiate sports, Bridgewater fields teams in baseball, basketball, football, golf, tennis, and track and cross-country for men. The women participate in intercollegiate basketball, field hockey, and tennis. The *W.A.A.* sponsors the intercollegiate sports program and organizes the women's intramurals.

Bridgewater track and cross-country teams have set enviable records in Virginia and the Mason-Dixon Conference. The College has also developed many individual stars like "Bob" Richards, the pole vaulting parson; "Rip Engle," head football coach at Penn State; and "Benny" Huffman, who caught for the St. Louis Browns and who is now scouting for the Chicago White Sox.

Bridgewater is a member of the N. C. A. A. of the Mason-Dixon Intercollegiate Athletic Conference under whose rules all athletic contests are conducted, and of the mythical Virginia Little Eight.

DRAMATIC ACTIVITIES

The *Curtain Club*, assisted by other students on the campus interested in drama, presents two three-act plays and three one-act ones each year in order to develop dramatic talent, to keep the college community acquainted with examples of contemporary and classical drama, to suggest to students the vocational and avocational opportunities in the field of drama, and to provide laboratory opportunity for students enrolled in acting and play production classes. Typical

*A scene from the
Curtain Club's re-
cent production of
"Everyman."*



presentations in recent years by the Curtain Club have included *Noah*, *Electra*, *Everyman*, *The Rivals*, and *Our Town*.

FORENSICS

Bridgewater has long sponsored a discussion, debate, and oratorical program. Every year its teams enter state, regional, and national tournaments; and over the years Bridgewater orators and debaters have won top honors. The whole forensics program is sponsored by the *Debate Club*.

MUSIC

Bridgewater recognizes the importance of music not only as a part of the curriculum of a college of arts and sciences but also as a vital adjunct of campus life. Rich expressional activities, including frequent student recitals, parallel the courses in theory and applied



*Winners of state honors
in debating go into
action.*

music. From its founding Bridgewater has been known as a "singing college." Students are encouraged to participate in the several musical organizations on the campus.

The *Glee Club*, which dates back to the early days of the College, studies and performs choral works of all periods and styles. It sings as a men's chorus, as a women's chorus, and as a mixed chorus. Besides singing at commencement, on Founders Day, on Parents' Day, and on other special occasions, it sings Handel's *Messiah* each Christmas and produces an operetta each year.

The best voices from the *Glee Club* are chosen each year and organized into a *Touring Choir*. This group goes on tour each spring throughout the Southeastern Region presenting concerts in churches and schools and before civic organizations.

Besides the *Glee Club* and *Touring Choir*, there are male and female *Quartets* and the *Chapel Choir*. The *Chapel Choir* sings at chapel services and on other special occasions. The *Quartets*, well-trained vocalists, present programs on the campus, in the community, and go on tour.

The *Band* is another important musical organization at Bridgewater. Besides presenting concerts on the campus and in schools and churches in the community, it provides pep music for athletic events and gives drills between halves of football games.

Bridgewater has no organized orchestra, but students interested in orchestral music and who are good instrumentalists get together and perform both dance and concert music. Students both interested and skilled in music will find an outlet for their talent in the College community.

A choral group rehearses a novelty number.



PUBLICATIONS

Students write, edit, and publish the *Bee*, a bi-weekly, four-page newspaper in which is highlighted campus news. The *Bee* also affords students opportunities to air publicly strong differences of opinion on controversial issues, College policies, and student government action. Students also publish annually *Ripples*, the student yearbook. This picture book is usually distributed in May. Both the *Bee* and *Ripples* have won high honors in state and national college newspaper and yearbook competition.

Each year the Student Senate publishes *The Eagle*, a handbook for all students. Besides the constitution and by-laws under which the Student Senate operates, it contains a register of the faculty, a register of student leaders, the school calendar, a list of student organizations, the words of the College song, and a summary of Bridgewater ideals and traditions. The College publishes annually the Catalogue and the President's Report; it publishes quarterly the *Bridgewater Bulletin*, a journal for alumni; it publishes occasionally the *B. C. Partners*, a four-page flier, to keep trustees, alumni, and parents up-to-date on important happenings at Bridgewater.

Students interested in creative writing, journalism, or photography can exercise and develop their talents by working on one or more of these publications.

OTHER ORGANIZATIONS

Business Club, French Club, Hillandalers, Mu Epsilon Mu, Photo Club, Student Chapter 168 of the Music Educators Conference, and WVBC.

Personnel Services

FRESHMAN ORIENTATION

To help incoming freshmen adjust quickly and happily to college life, four days are devoted to their orientation at the beginning of the fall semester. The Student Senate and the deans of students direct the program. A sophomore is appointed to serve as counselor for each group of six freshmen. Directed group discussions are held regarding study habits and note taking, Bridgewater ideals and tra-

ditions, the Honor System and how it functions, extracurricular participation, and social opportunities. Through planned social gatherings, each freshman is given a chance to meet his classmates and to become acquainted with his instructors and faculty adviser.

Objective tests and examinations are given to freshmen during this orientation period to gather valuable data to be used later for placement, counseling, and guidance purposes.

GUIDANCE AND COUNSELING

In addition to the academic dean, the deans of students, the director of student religious life, the college nurse, and the residence hall directors, the entire teaching staff at Bridgewater is involved in counseling. Each entering freshman is assigned to a faculty counselor on the basis of his vocational or professional objective. He remains with this counselor until he declares a major, and then he becomes the counselee of his major professor. The faculty counselor helps his counsees in solving personal problems, but his prime responsibility lies in advising them concerning registration, course requirements, academic regulations, and good study habits.

The counseling program aims to help students know themselves and their social milieu; to meet their personal, academic and social problems intelligently; and to adjust themselves creatively to their fellows.

PLACEMENT

Recognizing that no counseling and guidance program is complete until the student is placed either in graduate, professional, or technical school or in a satisfactory position, Bridgewater assists its seniors in securing placement by making academic and personal data and confidential character ratings available to prospective employers and university officials, by arranging with prospective employers to visit the campus for interviewing seniors seeking employment, and by major professors assisting top students secure admission to graduate and professional schools and to win graduate fellowships and assistantships.

HEALTH SERVICE

Every effort is made by the College staff to promote the health and physical welfare of students through proper sanitation and cleanli-

ness, safeguarding food supplies, and teaching physical education. The Council on Student Affairs cooperates with the college nurse and physician to provide the best conditions possible for the physical welfare of students. A physical examination is required of all new students prior to registration. Vaccinations and inoculations against contagious diseases are recommended.

The infirmary is under the general supervision of the college nurse, whose services are available to all students. Boarding students receive the services of the college physician in case of common illness either on campus or at the doctor's office. Where special treatments or prescriptions are necessary, the student will be expected to pay for the cost of them. Day students may receive treatment from the college nurse and physician while on campus.

ACCIDENTS AND ACCIDENT INSURANCE

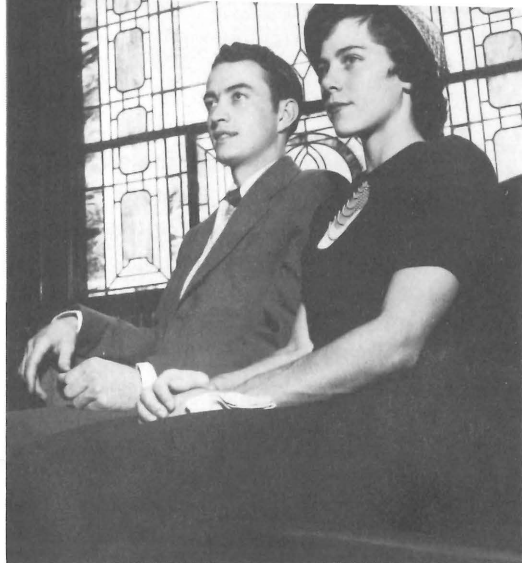
Accident insurance is required of all students. This insurance covers all medical expense incurred as a result of accidental bodily injury up to \$1,000.00 for each and every separate injury. This insurance is written for a twelve-month period and will be paid as stipulated regardless of any other insurance the student may carry and regardless of where the student may be when injured. All injuries must be reported to the treasurer's office before any claim can be satisfied.

RELIGIOUS LIFE AND SERVICES

The College views religious activities as a natural and essential part of student life. Students are encouraged to deepen their understanding of the Christian faith while they are on campus and to give expression to their Christian beliefs through campus religious activities. Opportunities are provided to make Christian commitment more meaningful through group worship experiences and service projects.

Chapel and Assembly programs are conducted twice each week on Monday and Wednesday mornings. A faculty-student committee is responsible for planning chapel worship services and assembly programs which make use of the media of the spoken word, music, and drama. Student assemblies are held once each month on the first Friday. Students are required to attend three-fourths of the programs presented each semester.

*"And I will go up into the
house of the Lord, and I will
raise my eyes unto Him from
Whom cometh my help."*



The Student Christian Association provides an inter-denominational program of religious activities for the campus community and co-ordinates the activities of the denominational groups. SCA campus activities include worship services, speakers and movies, discussions and small group meetings, retreats and conferences, and service projects. An active *Clericus* organization, made up of those interested in full-time church vocations, meets twice a month.

The Bridgewater Church of the Brethren is located on the college campus and provides a church home for many students. Baptist, Methodist and Presbyterian churches are located in the town of Bridgewater, and students take an active part in their programs. Students also participate in the worship and work of the churches of Harrisonburg where Baptist, Brethren, Episcopal, Lutheran, Methodist, Presbyterian and Roman Catholic churches are to be found. A Jewish Temple is also located there.

Five denominational student groups are active on campus: the *Brethren Student Fellowship*, the *Baptist Student Union* (center in Harrisonburg), the *Wesley Fellowship* (Methodist), the *Westminster Fellowship* (Presbyterian), and the *Lutheran Student Association*. Students are encouraged to maintain their denominational affiliations as well as to participate in ecumenical religious activities that give significance to the Christian life.

ALUMNI ASSOCIATION

The Alumni Association, organized before 1900, strengthens the

bond of loyalty between the alumni and their alma mater, fosters an esprit de corps and a spirit of good fellowship among alumni themselves, organizes local chapters, and helps promote the growth and development of the College.

The Alumni Association is governed by its elective officers and a 29-member Board of Directors. The executive secretary directs all alumni relations and activities and organizes and fosters chapters throughout the country. At present there are twenty-five alumni chapters; they are:

- Augusta County, Virginia
- Baltimore
- California
- Carroll County, Maryland
- Charlottesville, Virginia
- Chicago
- Christiansburg-Blacksburg, Virginia
- Cumberland Valley, Maryland
- Dayton-Bridgewater, Virginia
- Dayton, Ohio
- Delmarva, Maryland and Delaware
- Fairfax-Prince William, Virginia
- Florida
- Franklin County
- Harrisonburg-East Rockingham, Virginia
- Henry County, Virginia
- New York City
- North Rockingham, Virginia
- Pennsylvania
- Richmond, Virginia
- Roanoke, Virginia
- Tennessee
- Tidewater, Virginia
- Upper Potomac Valley, Maryland and West Virginia
- Washington, D. C.

All graduates and former students of Bridgewater, Blue Ridge, and Daleville Colleges who earned transferable credits are regarded as members of the Association. Faculty members and Trustees are considered honorary members. The Association charges no dues, but it makes an annual appeal to members for contributions to the Alumni Fund. This yearly contribution to the Alumni Fund keeps one a mem-

ber in good standing and activates his membership should he have permitted it to lapse. The official publication of the Association is *The Bridgewater Alumnus* which is one of a series of Bulletins of Bridgewater College mailed to all members of the Association.

Summer School

Bridgewater operates an eight-weeks summer school to enable students who wish to do so to complete their degree requirements in three years instead of four, to enable students who have fallen behind in their work to regularize their programs, and to enable teachers who need credits in academic and professional subjects for the renewal of their certificates to secure them.

An integral part of the total College program, the summer school offers standard courses, most of which are taught in the regular session; it is also staffed by men and women chosen from the regular faculty. A student may earn as many hours of credit as there are weeks in the summer session.

Study Abroad Program

A special feature of the Bridgewater curriculum is an opportunity to study abroad during the junior year. Bridgewater and the five other Church of the Brethren Colleges cooperate in this program to enrich their curricula, to encourage students to study foreign languages, and to stimulate them to think in terms of world culture. The year abroad in study is spent at Marburg, West Germany. The program of study includes the opportunity for course work at Phillips Universitat, Marburg on the Lahn, familiarly known to Americans as Marburg University, and for enrollment in special classes, offered in Marburg under the direction and control of the six cooperating colleges. Courses in this latter phase of the program will be selected from such subject areas as German Literature, history, religion, philosophy, international relations, political science, economics, cultural anthropology, and art history.

Each year a professor from one of the six cooperating colleges is selected to serve as the director of the program in Europe. The director also serves as one of the teachers in the program, along with several German professors. In no one year will courses be offered from all the subject fields listed above. The courses to be made available in

any one year will depend upon the teaching area of the director of the program and the additional staff members selected for that year. However, each year there will be an announcement of the specific program and instructional staff for the following year. By a careful selection of courses from those available at Phillips Universitat, Marburg on the Lahn, and those offered directly under the auspices of the six cooperating colleges, each student should be able to earn sufficient credits to equal an academic year of work at his American college.

Students interested in this program should have had at least two years of college-level study in the German language. Further provision for orientation to the German language, as well as to the culture generally, will precede the opening of the program each fall. In addition to an adequate knowledge of the language, the qualifications include high intellectual capacity, seriousness of purpose, good character, demonstrated potential for social adjustment, a basic understanding of the United States and the host country, good health, and initiative.

The program will accommodate approximately 25 students each year. Student quotas for each of the cooperating colleges will be derived by assigning to each college the same proportion of the 25 openings as the total full-time student enrollment in the college bears to the combined enrollments of the six colleges. Further information about this program, as well as application blanks for admission to it, may be secured from the Dean of the College.

Honors and Awards

SCHOLARSHIP HONORS

Dean's List—Bridgewater holds before its students the ideal of achieving to the limits of their powers, especially in the academic area. From time to time appropriate recognition is given to students whose performance in the pursuit of knowledge and truth is outstanding. At the end of each semester, the academic dean announces the *Dean's List* which consists of the names of all students who have a grade point average of 3.20 or above on the program of courses attempted.

Graduation Honors—One may graduate from Bridgewater summa cum laude, magna cum laude, or cum laude. To graduate summa cum laude, a student must achieve a grade point average of 3.80, complete two honors courses with a grade of "B" or better, and score in the upper quarter on the written and oral comprehensive examinations. To gradu-

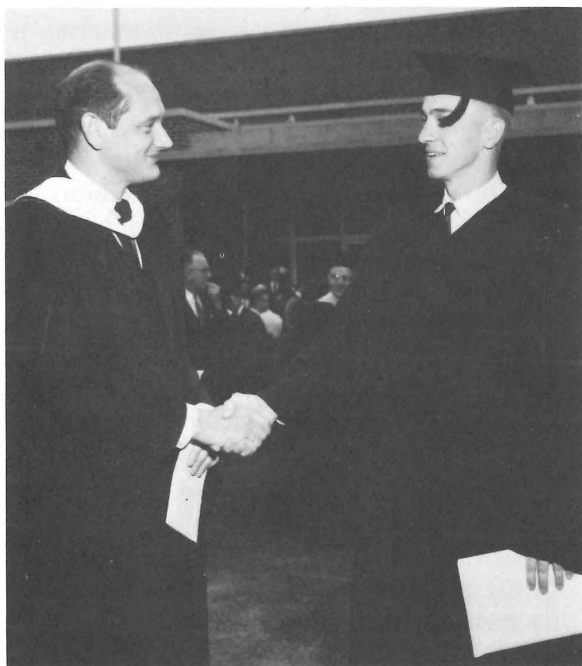
ate magna cum laude, he must achieve a grade point average of 3.50, complete one or more honors courses with a grade of "B" or better, and score better than average on the written and oral comprehensive examinations. To graduate cum laude, he must achieve a grade point average of 3.20 and score better than average on the written and oral comprehensive examinations.

A transfer student may not receive a graduation honor higher than *cum laude* except upon recommendation of his examining committee. To receive any graduation honor, a transfer student must have completed at least sixty semester hours in residence at Bridgewater and have made honor grades on work completed here and also on the average of both the work transferred and the work completed here.

The calculation of the grade point average for honors will be on the basis of all courses attempted.

Honors Courses—Each department offering a major may provide from one to four honors courses to give opportunity to superior students for exercising originality and developing resourcefulness. Honors courses may be either seminars or independent study, depending on the nature of the topic, problem or project to be studied, and on the wishes

Mr. George W. Kent, professor of psychology, congratulates a major who received graduation honors and was inducted into Lambda Society.



of the department concerned. An honors course may, with the approval of the department, be substituted for courses normally required of majors in the department. Juniors and Seniors with a grade point average of 3.20 may register for one honors course per semester.

The Lambda Society—The primary purpose of the Lambda Society is to encourage scholarly effort and achievement and to honor and reward students, faculty members, and alumni who have achieved unusual distinction in the pursuit of knowledge. Seniors are eligible to be elected to full membership when they have successfully passed the requirements for graduation with honors. Upperclass students who have achieved honor grades may be elected to Associate Membership.

OTHER HONORS

Bridgewater elects annually from six to nine seniors to membership in *Who's Who Among Students in American Universities and Colleges* on the basis of scholarship, leadership in extracurricular and academic activities, citizenship and service to the College, and promise of future usefulness to society.

There is a Chapter of *Tau Kappa Alpha*, a national honorary forensic fraternity, on the campus. Membership in it is restricted to students who have distinguished themselves in discussion tournaments, intercollegiate debates, and oratorical contests.

Bridgewater has a Chapter of *Pi Delta Epsilon*, a national honorary collegiate journalistic fraternity, on the campus. This organization seeks to develop student interest in journalism, to improve student publications, and to promote high ethical standards in collegiate journalism. Only students who have done outstanding work on the *Bee*, the student newspaper, or on *Ripples*, the student yearbook, are eligible for membership in *Pi Delta Epsilon*.

Alpha Psi Omega, a national honor society devoted to developing dramatic talent and the art of acting, to cultivating disciplined taste in drama, and to fostering the cultural values of dramatic art, has a chapter on the campus. Membership in this honor society is restricted to those who have distinguished themselves in acting, production, or directing.

There are two honorary musical organizations on the campus, the *American Guild of Organists* and *Societas Orphea*. The *American Guild of Organists*, a national honorary society for organists, restricts its membership to musicians who are proficient on that instrument.

Two Bridgewater members of Alpha Psi Omega play roles in Sheridan's play, "The Rivals." Through dramatics Bridgewater students acquire voice and body control, poise and stage presence, and learn to work cooperatively.



Societas Orphea is a local honorary musical society. Its membership is restricted to those who have participated for three years in the Glee Club or band.

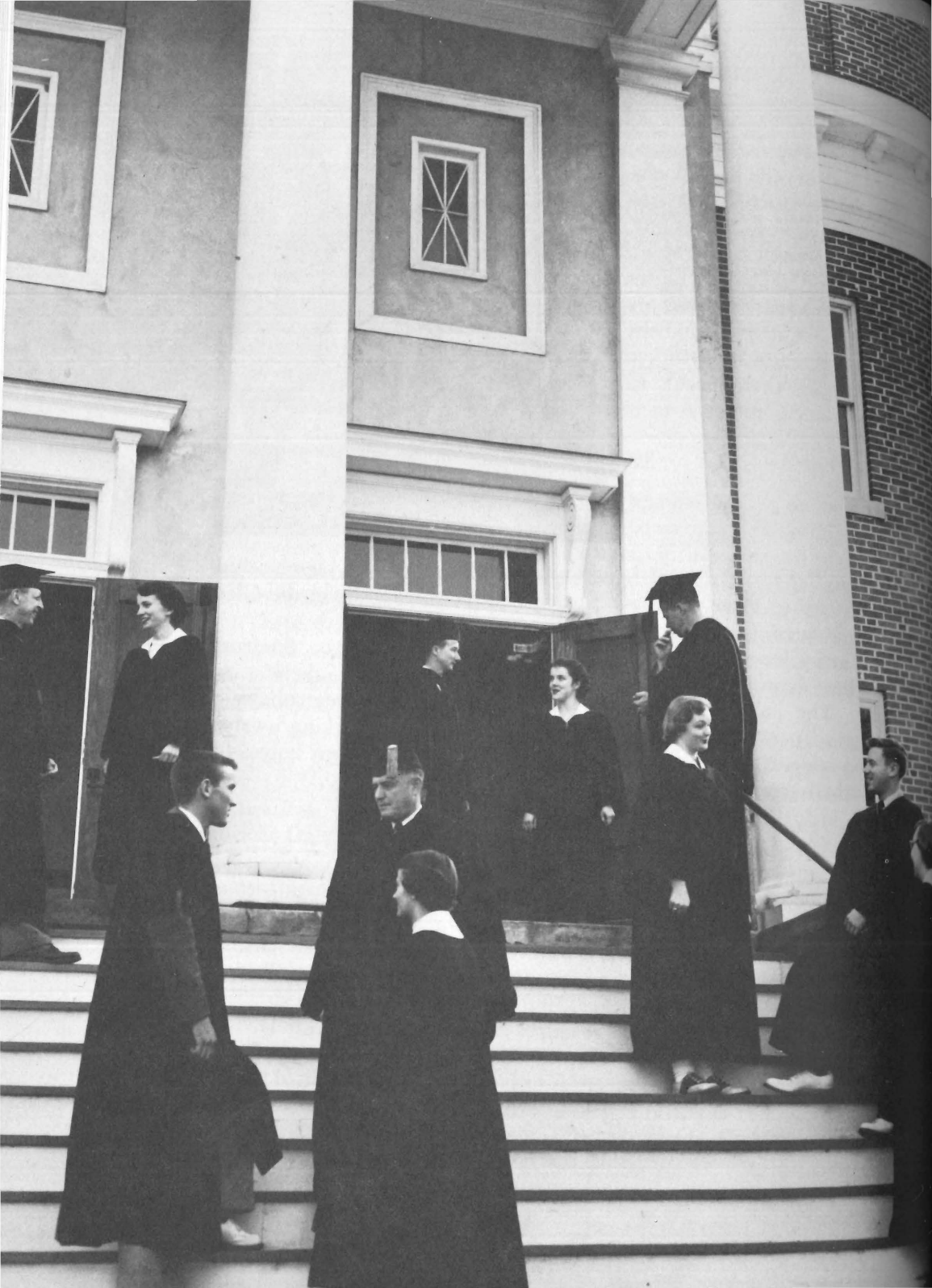
Varsity letters are awarded in all intercollegiate sports. Students who have been awarded varsity letters become members of the *Varsity Club*. The purpose of this organization is to foster intercollegiate athletics by awarding Bridgewater jackets to athletes, making awards to the athletes of the month, and presenting shows between halves of basketball games.

PRIZES AWARDED

Alumni Scholarship—This scholarship, valued at \$150, is awarded annually to a student at the end of his junior year who ranks high academically, is a good citizen, and possesses general merit.

The Planters Bank of Bridgewater Scholarship—This scholarship, valued at \$250, is awarded annually by the Planters Bank of Bridgewater, Virginia, to a worthy student from Augusta or Rockingham County in Virginia. The College names the recipient of the scholarship.

The Chemical Rubber Company of Cleveland, Ohio, in cooperation with the Chemistry Department, awards annually a book prize to the student who has shown the greatest achievement in general chemistry. A similar prize is also awarded for excellence in mathematics and physics.



Academic Excellence

CAREER OPPORTUNITIES

Some students—they are the fortunate ones perhaps—enter college having firmly decided on a vocation; many others enter knowing only in a general way what their vocational interests are. Specific suggestions about programs of study which will aid students in the former group to attain their various professional goals follow. The latter students are reminded that one of the purposes of a liberal education is to introduce them to varied fields of knowledge, and so give them a sound basis on which to make a wise vocational choice. At Bridgewater students who have not chosen a field in which to concentrate can secure expert counseling from advisers and department heads who will take a strong personal interest in them.

For the Student Going into Business

A four-year curriculum leading to the Bachelor of Science Degree in Business Administration and a four-year curriculum with a major in economics leading to the Bachelor of Arts Degree are provided.

For the Student Going into Chemistry

Completion of a curriculum with a major in chemistry leading to the Bachelor of Arts Degree prepares one for semi-professional work in industrial chemistry. One interested in industrial chemistry should take at least eight hours more in advanced chemistry than the number of hours required for the degree. Atomic Physics is also recommended.

For the Student Going into Dentistry, Pharmacy, or Veterinary Medicine

Admission to these schools may be obtained without the completion of the baccalaureate degree requirements. It is strongly urged, however, that students planning to enter any one of them take the four-year program with a major in general science and secure the A.B. degree as a background for the work of the professional school, if time and resources permit.

For the Student Going Into Forestry

A cooperative program has been developed with the School of Forestry of Duke University. One who completes ninety or more semester hours meeting all general education requirements may be admitted to this school and complete a program leading to the Master of Forestry Degree in two more years. One interested in this program should confer with the Dean of the College and the Head of the Biology Department.

For the Student Going on to Graduate School

Bridgewater men and women planning careers in research, in the professions, or as College and university teachers enter the leading graduate schools in the United States each year to pursue work leading to the M.A., the Ph.D., or some professional degree.

Students planning careers in science have to consider studying beyond the baccalaureate level. To qualify for many research positions, for instance, one must have either a Ph.D. or an M.A. degree. Furthermore, more and more positions in the fields of government work, social service, and business demand an education beyond the undergraduate degree. A student contemplating his choice of a career should be aware of this trend. He should seek the advice of the members of the Department in which he chooses his major concerning the courses which will be most beneficial to him. In all cases, he should consider attaining proficiency in two foreign languages, usually French and German.

For the Student Going Into Home Economics

Completion of a curriculum with a major in home economics prepares one for entrance into the following careers: retailing and merchandising, demonstration of equipment and/or food and textile products and food service and management, public school teaching, and homemaking.

For the Student Going Into Government Service

Completion of a curriculum leading to the bachelors degree, provided a suitable area of concentration has been selected, qualifies one for some positions in government. One interested in government service should confer with his faculty adviser.

For the Student Going Into Law

Completion of a curriculum leading to the B.A. Degree, provided a suitable area of concentration has been selected, qualifies one adequately for admission to a school of law. One interested in the study of law should confer with the Dean of the College and his faculty adviser.

For the Student Going Into Medicine

Completion of a curriculum containing a concentration in general science and leading to the Bachelor of Arts Degree is recommended. One might be able to obtain admission to a school of medicine upon completion of ninety or more semester hours provided he meets our requirements in general education and has permission to transfer work back to meet all requirements for graduation, but the degree program is recommended.

For the Student Going Into the Ministry

Completion of a curriculum leading to the Bachelor of Arts Degree, provided a suitable concentration has been selected, qualifies one adequately for admission to a theological seminary.

For the Student Going Into Religious Education

A four-year curriculum containing a concentration in philosophy and religion and certain courses in psychology and education leading to the Bachelor of Arts Degree prepares one adequately for teaching religious education or for church work. One may also qualify for a certificate granted by the Christian Education Commission of the Church of the Brethren by completion of a two-year program containing certain courses in religion, psychology, and education.

For the Student Going Into Social Work

A four-year program with a concentration in sociology and psychology leading to the Bachelor of Arts Degree is recommended for those who wish to enter social work following graduation from college as well as for those who wish to pursue a graduate program in preparation for social work.

For the Student Going Into Teaching

Four-year curricula leading to the Bachelor's Degree and containing the necessary professional courses are provided. For further information concerning requirements for certification to teach, see pages 59-62.

Courses of Instruction

Freshman courses are numbered 1-19; sophomore courses 20-49; and junior and senior courses 50-100.

Courses having an odd number are offered in the first semester, those having an even number in the second; and those having a number ending in zero in both semesters.

Courses bearing a compound number (e. g., 1-2) are year courses, and no credit will be allowed for the completion of the work of one semester. Courses bearing a double number (e. g., 21, 22) are also year courses, but credit is allowed in semester units. In such courses, however, the work of the first semester may be prerequisite for the work of the second semester.

The courses are organized by departments.

ART

3, 4. *Drawing and Painting I.* This studio course is for the beginner in art. Fundamentals of composition and the use of color will be emphasized. Four hours per week in the studio.

Each semester, two hours.

5, 6. *Sculpture I.* This studio course is designed for the student who has had little or no experience in sculpture. Clay modeling, casting in plaster and concrete, and wood carving are some of the materials explored. Form rather than subject matter is emphasized. Six hours in the studio per week.

Each semester, three hours.

23, 24. *Drawing and Painting II.* More intensive study in a variety of mediums.



Four hours in the studio per week.

Each semester, two hours.

25, 26. *Sculpture II*. Further study in some of the traditional materials—clay, plaster, concrete, and wood. Individual creativity and experimentation in several materials are encouraged. Six hours in the studio per week.

Each semester, three hours.

51, 52. *Art History and Appreciation*. A study of art from prehistoric through modern times. Painting and sculpture will be emphasized but architecture and the minor arts will be considered. (First semester, prehistoric through Renaissance. Second semester, modern.) Three hours lecture per week.

Each semester, three hours.

53, 54. *Drawing and Painting III*. A continuation of Art 23, 24. Special emphasis is placed on individual creativity. Four hours in the studio per week.

Each semester, two hours.

58. *Materials and Methods in Art*. This course is designed to meet the needs of the elementary teacher and homemaker. Three hours in the studio per week. Prerequisite: Permission of the instructor.

Second semester, three hours.

BIOLOGY

A major in Biology shall include courses numbered 55, 65, and at least 18 semester hours in other Biology courses. Supporting courses shall consist of at least 8 hours in Chemistry, Physics, Geology, or Mathematics. Prerequisite courses for a major in Biology shall consist of Biology 7-8, Chemistry 1-2, and Mathematics 10 or 15.

A major in General Science shall include Chemistry 21, 22; 51-52; Biology 61, 62; and Physics 21-22. This concentration is primarily for pre-medical and



pre-dental students and prospective science teachers. Prospective teachers may be permitted to substitute 6 to 8 hours of Biology electives for Biology 61, 62. Prerequisites to a major in General Science shall consist of Chemistry 1-2, Biology 7-8, and Mathematics 10 and 20, or 15 and 16, and 28.

7-8. *General Biology*. An introduction to the basic principles of biology and their applications in plants and animals. Three lectures and one three-hour laboratory period per week. A course in chemistry at either the secondary school or college level, or General Physical Science, or two years of secondary school biology constitute a prerequisite for this course. This course is prerequisite to all other offerings of the department.

Each semester, four hours.

23. *General Botany*. The physiology and morphology of the higher plants. Two classes and two laboratories per week.

First semester, four hours.

52. *Physiology*. A study of the structure and function of the organ systems of the animal body, with emphasis on the human organism, and of the relationship of structure to function. Material on cellular physiology is included. Three class meetings per week.

Alternate years; offered 1965-1966.

Second semester, three hours.

53, 54. *Zoology, Ecology*. Animal ecology, biology and systematics, with field and laboratory studies on the local fauna. Five hours of class work, laboratory, and field trips per week.

Each semester, three hours.

55. *Genetics*. An introduction to the principles of biological inheritance. Required of all majors in the department. Three classes per week.

First semester, three hours.

56. *Systematic Botany*. A review of the Plant Kingdom, and intensive field work on the spring flora of the Shenandoah Valley and adjacent areas. Two classes and two laboratories per week.

Second semester, four hours.

58. *Microbiology*. A general course with emphasis on bacteriology. Three class meetings per week.

Alternate years; offered 1964-1965.

Second semester, three hours.

61. *Embryology*. A study of the development of the vertebrate body. Laboratory studies are carried out on the embryology of the frog, chick, and pig. Two lecture and two laboratory periods per week.

First semester, four hours.

62. *Comparative Anatomy of the Vertebrate.* A comparative study of the organ systems of the vertebrate classes. Laboratory dissections and studies are made on the shark, salamander and cat. Three lectures and two laboratory periods per week.

Second semester, five hours.

63, 64. *Special Topics and Research.* In consultation and with the approval of the department, advanced students may select subjects for study individually or in small groups. Such studies will generally be done in the areas of Ecology, Vertebrate Natural History, Genetics, and plant anatomy and taxonomy.

Each semester, two to four hours.

65. *Laboratory Studies in Genetics.* Laboratory course dealing with the materials and methods of genetics. Accompanies Biology 55. Required of Biology majors in the same semester as Biology 55, but optional to other registrants in that course.

First semester, 2 hours credit.

106. *Biological Science for Elementary Teachers.* A course designed to present the elementary school teacher with fundamental information in natural history and conservation. Open to participants in the National Science Foundation Institute in Science for Elementary School Personnel.

Second semester, three hours.

RELATED COURSES

GEOLOGY

51. *General Geology.* A general consideration of the science, the composition and structure of the earth, the forces acting upon it, and the resultant surface features. Special reference is made to North America, and particularly the areas of Western Virginia. Two hours lecture, three hours laboratory or field trips.

First semester, three hours.

52. *Historical Geology.* This is basically a continuation of Geology 51. Prerequisite: Geology 51. Two hours lecture, three hours laboratory or field trips.

Second semester, three hours.

CHEMISTRY

A major in Chemistry shall consist of courses numbered 21, 22, 51-52, 55-56, 67, 68. Supporting courses shall consist of Mathematics 15 and 16; or 10, 20, 30; and 51, 52, and Physics 21-22.



Prerequisite: Chemistry 1-2 is prerequisite to all other chemistry courses.

1-2. *General Chemistry.* A study of the basic principles of chemistry and of the properties of the common elements, plus a brief introduction to a number of the more specialized areas of chemistry, such as organic chemistry, nuclear chemistry, and biochemistry. Three hours lecture and recitation and one three-hour laboratory period per week. *Prerequisite:* Secondary school chemistry or approved alternate, and Mathematics 10 or 15 prior to or concurrent with Chemistry 1.

Eight hours.

21. *Analytical Chemistry I.* Theory and practice of qualitative and quantitative analysis, with emphasis on problem solving. The class work consists of a study of structural and descriptive inorganic chemistry, emphasizing equilibrium and oxidation-reduction. The laboratory consists of semimicro qualitative analysis and elementary gravimetric and volumetric analysis. Two hours of lecture and a minimum of six hours of laboratory per week.

First semester, four hours.

22. *Analytical Chemistry II.* A continuation of Chemistry 21, with a more extensive study of the theories and details of analytical separations and determinations. The laboratory work consists of more difficult gravimetric determinations, redox volumetric analyses, and instrumental analysis, including electrodeposition, isotope dilution and spectrometry. *Prerequisite:* Chemistry 21, or its equivalent. Two hours of lecture and a minimum of six hours of laboratory per week.

Second semester, four hours.

51-52. *Organic Chemistry.* An introduction to the theoretical, synthetic, and practical aspects of the aliphatic, aromatic, alicyclic, and heterocyclic organic

compounds. Three hours lecture and a minimum of six hours laboratory per week.

Ten hours.

53, 54. *Organic Chemistry*. A shorter course than Chemistry 51-52. The main emphasis is on the chemistry of aliphatic and aromatic compounds. Two hours lecture and six hours laboratory per day for eight weeks.

Offered only in the summer session.

Each semester, four hours.

55-56. *Physical Chemistry*. A survey of theoretical chemistry from the standpoint of kinetic theory and the laws of thermodynamics. The second half of the course deals with kinetics, conductance, ionic equilibria, etc. Three hours lecture and three hours laboratory each week. Prerequisites: Chemistry 21, 22; Mathematics 51, 52; and Physics 51-52.

Eight hours.

61, 62. *Biochemistry*. The study of chemistry as related to organisms, including a discussion of general physicochemical aspects; the chemistry and metabolism of carbohydrates, proteins, lipids, nucleic acids, porphyrins, and minerals; and the chemistry and metabolic role of enzymes, vitamins, and hormones. Three hours lecture and three hours laboratory each week. Prerequisites: Chemistry 21, 22, 51-52. Recommended: Biology 7-8, Chemistry 55-56.

Offered on demand.

Eight hours.

63. *Organic Qualitative Analysis*. The methods and techniques of separating, purifying, and characterizing organic compounds. Included is the consideration of general approaches used for the determination of the structure of new organic substances. One hour lecture and a minimum of six hours laboratory each week. Prerequisites: Chemistry 21, 22, 51-52.

Offered on demand.

First semester, three hours.

64. *Theoretical Inorganic Chemistry*. The study of the properties of the elements and the nature of their compounds as related to the position of the elements in the Periodic Table. This comprises chiefly a general discussion of the variations in atomic structure and the corresponding changes in physical and chemical properties and a fairly comprehensive survey of the elements. In addition, this course presents an integrated summarization of facts and principles from the various courses in chemistry. Three hours lecture per week. Prerequisites: Chemistry 21, 22. Recommended: Chemistry 55-56.

Offered on demand.

Second semester, three hours.

67, 68. *Advanced Chemistry Seminar*. A discussion of topics of current interest and importance, including the presentation of student papers; it is designed

to acquaint the student with chemical literature and the present activities of the chemical world. Field trips are made to industries and research laboratories in the surrounding areas. The course is planned so that it may be taken in two successive years without duplication of material. One hour seminar each week. Prerequisite: Sixteen semester hours of chemistry and concurrent enrollment in another chemistry course.

Each semester, one hour.

75, 76. *Chemical Research*. An original investigation in chemistry, conducted individually under the guidance of one of the staff. A written thesis is required at the end of the project. Six to twelve hours each week. Prerequisite: Permission of the instructor.

Each semester, two to four hours.

ECONOMICS AND BUSINESS

ECONOMICS

A major in Economics shall consist of Economics 21, 22; 53; 58; and three of the following courses: 51, 54, 55, 56, 78, and three of the following courses in Business: 21-22, 57, 64, or 65.

A major in Business Administration shall consist of Economics 21, 22 and three additional courses in Economics; Business 21-22, 57, and 65; and two other courses in Business. Supporting courses shall consist of Mathematics 28; Political Science 51, or approved electives.

Prerequisite: Economics 21 is prerequisite to all other courses in economics except Economics 58.

21, 22. *Principles of Economics*. A study of the important relationships between income, money, production and prices. The first semester's work is designed to meet the general needs of the non-major.

Each semester, three hours.

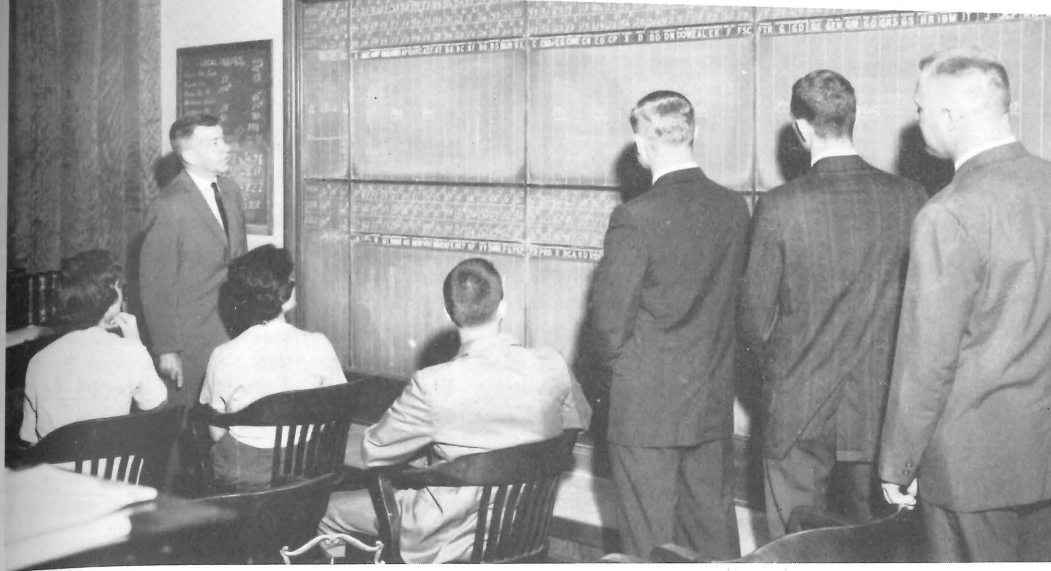
51. *Labor Economics*. A survey of the development of the labor movement, the growth of labor organization and the role of the industrial worker in contemporary society.

First semester, three hours.

53. *History of Economic Thought*. A survey of the history of economic doctrines with the emphasis on the contributions from Smith to Keynes.

Alternate years; offered 1964-1965.

First semester, three hours.



Second semester, three hours.

55. *Money and Banking*. The history and theory of money and banking, with special reference to the development of the monetary and banking system of the United States.

Alternate years; offered 1965-1966.

First semester, three hours.

56. *Government and Business*. A study of the development of relations between government and business with special treatment of business relations to federal, state, and local governments in recent times.

Second semester, three hours.

57. *Comparative Economic Systems*. An analysis, comparison, and evaluation of capitalism, socialism, communism, and fascism.

First semester, three hours.

58. *Economic History of the United States*. A study of the economic growth and development of the United States from the colonial period to the present. Emphasis will be placed on changes in agriculture, industry, commerce, and finance.

Second semester, three hours.

78. *Special Problems in Economics and Business*. A study of special problems in economics. The emphasis will be on individual research. Prerequisite: Major in economics or business and consent of the instructor. (Also listed as Business 78.)

Second semester, three hours.

BUSINESS

21-22. *Principles of Accounting.* First semester, accounting for a sole proprietorship, accounting cycle, journals, ledgers, working papers, and preparation of financial and operating statements. Second semester, accounting for partnerships, corporations, analysis of financial statements and budgets. Prerequisite: Mathematics 10, 14 or 28.

Eight hours.

51-52. *Intermediate Accounting.* Preparation and analysis of special financial statements, and an advanced treatment of accounting for corporations.

Six hours.

53. *Federal Tax Accounting.* Training in federal taxes and the federal tax structure. The application of basic principles to specific problems.

Alternate years; offered 1964-1965.

First semester, three hours.

54. *Auditing.* Theory on auditing The standards and ethics of the public accounting profession.

Alternate years; offered 1965-1966.

Second semester, three hours.

55. *Cost Accounting.* A study of the principles of process and specific order cost accounting as applied to specific problems.

Alternate years; offered 1965-1966.

First semester, three hours.

56. *Advanced Accounting.* The study of accounting for partnerships, consignments, insurance, and consolidated statements. Prerequisites: Business 21-22 and 51.

Alternate years; offered 1964-1965.

Second semester, three hours.

57. *Business Law.* A study of the fundamental principles of American law, contracts, negotiable instruments, agency, partnerships, corporations, and sales.

First semester, three hours.

63. *Elements of Marketing.* A study of the principles, policies, and practices in the distribution of goods.

First semester, three hours.

65. *Business Administration.* The principles of business administration, methods of production, plant and office management, and sales and personnel problems.

First semester, three hours.

68. *Economic and Cultural Geography.* A survey of the world's economic resources; the development of agriculture, industry and commerce; and the role of natural resources in the regional distribution of economic activities.

Second semester, three hours.

72. *Investments.* An evaluation of the investment characteristics of the various types of securities with some emphasis on stocks and bonds.

Alternate years; offered 1965-1966.

Second semester, three hours.

76. *Personnel Management.* An evaluation of the techniques and principles of personnel management.

Second semester, three hours.

78. *Special Problems in Economics and Business.* (See Economics 78 for description.)

Second semester, three hours.

EDUCATION

The chief function of this department is to provide the professional courses generally required for certification to teach in the public schools.

The completion of a liberal arts program leading to the Bachelor's Degree is the minimum training now required in nearly all states for certification to teach in the public schools. While the specific requirements for certification vary somewhat from state to state, every state has the following types of requirements: general requirements, general education requirements, professional education requirements, and concentration requirements. These requirements are outlined briefly for the State of Virginia. One who plans to teach in a state other than Virginia should plan his curriculum with the Dean of the College or a member of the education staff.

GENERAL REQUIREMENTS

1. Be a citizen of the United States, at least eighteen years of age, and possess good moral character.
2. Show evidence of good health and no disqualifying physical or emotional handicaps.
3. Possess a baccalaureate degree.

GENERAL EDUCATION REQUIREMENTS

English, 12 semester hours

Social Science (including U. S. History), 12 semester hours
 Natural Science, 6 semester hours*
 Mathematics, 6 semester hours
 Foreign Language, Music and/or Art, 6 semester hours
 Health and Physical Education, 6 semester hours

While this pattern of general education is required of all applicants for certification to teach in the public schools, those who plan to teach in the elementary schools are required to take additional general courses as follows.

Literature for Children	3 semester hours
Advanced English Grammar	
or Speech	3 semester hours
Economic Geography	3 semester hours
Art and Music (in addition	
to foreign language)	6 semester hours

PROFESSIONAL EDUCATION REQUIREMENTS

A. For High School Teachers

Educational Psychology	3 semester hours
Secondary Education	3 semester hours
Principles of High School Teaching	3 semester hours
Supervised Student Teaching	6 semester hours
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Total	15 semester hours

B. For Elementary School Teachers

Educational Psychology	3 semester hours
Curriculum and Teaching	3 semester hours
The Teaching of Reading	3 semester hours
Principles of Elementary School	
Teaching	3 semester hours
Supervised Student Teaching	6 semester hours
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Total	18 semester hours

*Students preparing to teach in the elementary schools are advised to take two courses in natural science.

CONCENTRATION REQUIREMENTS

A. For Elementary Teachers

While applicants for certification to teach in the elementary schools are required to possess the baccalaureate degree, they may choose whatever concentration of courses the college will permit.

B. For High School Teachers

One who wishes to teach in the public high schools in Virginia must

meet one of the requirements listed below. However, one should be qualified in more than one department. See the Dean of the College or a member of the education staff for information about the details of these requirements or for information about requirements in other states.

Biology	16 semester hours
Chemistry	16 semester hours
English	24 semester hours
English and Speech	30 semester hours
English and Dramatics	30 semester hours
Foreign Languages	24 semester hours
A Second Foreign Language	18 semester hours
General Science	24 semester hours
At least three sciences must be included	
Health and Physical Education	30 semester hours
History	18 semester hours
History and Social Sciences	30 semester hours
Social Sciences	
Government	12 semester hours
Sociology	12 semester hours
Economics	12 semester hours
Home Economics, Vocational	45 semester hours
Mathematics	18 semester hours
Music	30 semester hours
Performance, 15 semester hours	
Basic Musical Knowledge, 15 semester hours	
Physics	16 semester hours
Psychology	24 semester hours

HOW AND WHEN TO MEET THESE REQUIREMENTS

The general education requirements stated on the preceding page should normally be met in the first two years. Any not met by the end of the



second year should be met in the third year. The professional requirements as well as the concentration requirements must be met in the junior and senior years. Students interested in meeting these requirements should confer with one of the teachers of education not later than the beginning of their junior year. The prerequisites for student teaching should receive special notice.

50. *Educational Psychology*. A study of the application of psychological principles of development, learning, and adjustment to educational processes.

Either semester, three hours.

53. *Curriculum and Teaching*. Special emphasis is given to the curriculum and general techniques of teaching in the elementary school.

First semester, three hours.

54. *The Teaching of Reading*. A course in methods, techniques and materials used for teaching reading.

Second semester, three hours.

60. *Secondary Education*. A study of the aims, functions, program of studies, organization, modern practices, and trends in secondary schools.

Either semester, three hours.

70. *Principles of Elementary School Teaching*. Special emphasis is given to the practical problems of the beginning teacher. To be taken simultaneously with supervised teaching in the elementary grades.

Either semester, three hours.

80. *Principles of High School Teaching*. This is a course in techniques and methods of teaching and management in the high school.

Either semester, three hours.

90. *Supervised Teaching in the Elementary Grades*. A course providing special training for elementary teachers through instructional planning, individual and group observations, and practice teaching under supervision in the public elementary schools. Prerequisite: A quality point average of 2.0 on course work completed, including a quality point average of 2.0 in Communications, and senior status, or by permission of instructor.

Either semester, six hours.

100. *Supervised High School Teaching*. This course includes individual and group observations in the public high school, instructional planning, and practice teaching under supervision. Prerequisite: A quality point average of 2.0 on course work completed, including a quality point average of 2.0 in Communications, and senior status, or by permission of instructor.

Either semester, six hours.

Note: Students in home economics and music education should refer to courses in the methods of teaching within those departments.

ENGLISH

Option 1: A major in English shall consist of not less than 30 hours, including courses numbered 21, 22; 51, 52; 53, 54; and 55.

Option 2: A major in English shall include courses 21, 22; 51, 52; 53 and 54. Supporting courses for this option shall consist of 12 semester hours elected with the advice and consent of the Head of the English Department from the Departments of Education, History, Modern Language, Philosophy, or Speech.

1, 2. *Communications.* A course designed to develop reading proficiency and clear and effective speaking and writing, to introduce the study of literature and literary forms, to give training in investigative methods and the preparation of the investigative paper, and to provide elementary training in public speaking. (Entering freshmen who score among the upper twenty-five per cent for the nation on a standard proficiency English test may be excused from English 1. Freshmen so excused must take an advanced English course to meet the twelve-hour English requirement for graduation.)

Each semester, three hours.

21, 22. *Masterpieces of Literature.* A searching examination of the method and content of some of the classics of antiquity and modern times, including both intellectual and imaginative works.

Each semester, three hours.

31. *Advanced Composition.* Practice and instruction in advanced narrative and expository writing and in the rudiments of creative writing.

First semester, three hours.

51, 52. *Survey of English Literature.* A study of the more important works of English literature from *Beowulf* to modern times.

Each semester, three hours.

53, 54. *Survey of American Literature.* A study of major American authors from colonial times to our own, with special emphasis on works reflecting aspects of our American heritage.

Each semester, three hours.

55. *Shakespeare.* A careful study of selected plays of Shakespeare, together with supplementary reading in and reports on the Elizabethan age and its drama.

First semester, three hours.

57, 58. *English Drama.* First semester, a study of the origins of English drama

and of English drama, exclusive of Shakespeare, from John Lyly through Richard Brinsley Sheridan. Second semester, a study of English and American drama from Oscar Wilde to the present.

Alternate years; offered 1964-1965.

Each semester, three hours.

English 59. *Advanced English Grammar*. A thorough examination of current English grammar. Required of students preparing to teach English; suggested for others who need additional work in grammar.

First semester, three hours.

61, 62. *The Novel*. First semester, a survey of the beginnings of the English novel and a study of ten major representative English and American novels from Fielding through Henry James. Second semester, a study of the major American and English novelists from 1900 to the present.

Alternate years; offered 1964-1965.

Each semester, three hours.

63. *Literature for Children*. Extensive reading and study of the more important literature for children.

First semester, three hours.

66. *Seventeenth Century Literature*. Non-dramatic literature of the seventeenth century with emphasis on the works of Donne, Milton, and Dryden.

Alternate years; offered 1965-1966.

Second semester, three hours.

67. *Modern Poetry*. A study of representative American and English poets from 1900 to the present with emphasis on the poetry and critical ideas of Yeats, T. S. Eliot, Auden, Spender, Frost, and Ezra Pound.

Alternate years; offered 1965-1966.

First semester, three hours.



68. *Eighteenth Century Literature*. Non-dramatic literature of the eighteenth century, exclusive of the novel, with emphasis on Pope, Swift, and Johnson.

Alternate years; offered 1965-1966.

Second semester, three hours.

72. *The Romantic Movement*. The poetry and critical ideas of Wordsworth, Byron, Coleridge, Shelley and Keats are examined.

Alternate years; offered 1964-1965.

Second semester, three hours.

74. *Literature from 1832-1900* The works of Arnold, Browning, and Tennyson are read.

Alternate years; offered 1964-1965.

Second semester, three hours.

SPEECH AND DRAMATICS

20. *Public Speaking I*. A study of the essentials of effective speaking and the basic principles of delivery and of speech composition.

Either semester, three hours.

22. *Public Speaking II*. A continuation of Speech 21. Practice in writing and delivering various types of speeches. Prerequisite: Public Speaking 21.

Second semester, three hours.

23. *Informal Speech*. This course is designed to develop poise, naturalness, confidence, and persuasiveness in conversation, in leading discussions, and in other types of informal speech.

First semester, three hours.

52. *Principles of Oral Interpretation*. Practice in the analysis and interpretation of written matter. An effort to gain the ability for passing on to others by word of mouth whatever is good and worth while in the field of literature.

Alternate years; offered 1964-1965.

Second semester, three hours.

54. *Elements of Play Production*. Consideration of stage composition, picturization, rhythm, and pantomime. Practice in interpretation. Fundamentals of staging, lighting, and make-up.

Alternate years; offered 1965-1966.

Second semester, three hours.

FOREIGN LANGUAGES

A major in French shall consist of not less than 24 semester hours, not including courses 1-2. Supporting courses for a major in French shall consist

of not less than 6 semester hours selected from the Departments of English, History, Philosophy, another foreign language, or one of the Social Sciences.

A major in Spanish shall consist of not less than 24 semester hours, not including 1-2. Supporting courses for a major in Spanish shall consist of not less than 6 semester hours selected from the Departments of English, History, Philosophy, another foreign language, or one of the Social Sciences.

FRENCH

1-2. *Elementary French*. During the first semester the emphasis is upon grammar, pronunciation, and composition. During the second semester the emphasis is upon conversation and reading of easy texts.

Six hours.

21-22. *Second-Year French*. Rapid review of grammar, conversation and intensive reading from standard French authors. Some contact is made with the major literary figures of France. Prerequisite: French 1-2, or two years of high school French and a satisfactory score on the placement test.

Six hours.

51, 52. *Advanced French*. The first semester is devoted largely to conversation and cultural readings. The second semester is an introduction to French literature. Conducted partly in French. Prerequisite: French 21-22, or at least two years of high school French and a satisfactory score on the placement test.

Each semester, three hours.

53. *French Drama*. Reading and study of representative plays from liturgical drama of the medieval period down through *Cyrano de Bergerac*. Moliere, Racine, Corneille are studied intensively. Conducted partly in French. Prerequisite: French 51, 52, or permission of the instructor.

Offered on demand.

First semester, three hours.

54. *The French Novel*. Reading and study of the representative works of this genre, beginning with *L'Astree* and ending with the novels of Anatole France. Emphasis is given the nineteenth century writers, Stendhal, Balzac, Flaubert, Daudet, Zola, etc. Conducted partly in French. Prerequisite: French 51, 52, or permission of the instructor.

Offered on demand.

Second semester, three hours.

61, 62. *Independent Study in French Literature*. This course includes a research paper each semester and reading of assigned works. A regular examination will be given. Admission by permission of the dean and instructor.

Each semester, three hours.



GERMAN

1-2. *Elementary German*. A study of the essentials of German grammar with emphasis on the structure (pronunciation, grammatical forms, etc.). Considerable practice in speaking and oral repetition. Some reading of graded texts.

Six hours.

21-22. *Second-Year German*. Reading of intermediate texts the first semester. Second semester, the reading of excerpts from German literature. Study of grammar throughout the year emphasizing usage. Prerequisite: German 1-2, or two years of high school German, and a satisfactory score on the placement test.

Six hours.

51-52. *Advanced German*. Readings designed to give students practice in advanced literary, musical or scientific German, according to individual needs. Prerequisite: German 21-22, or at least two years of high school German, and a satisfactory score on the placement test.

Each semester, three hours.

SPANISH

1-2. *Elementary Spanish*. Grammar, composition, drill in pronunciation. Conversation, and reading of easy texts. Introduction to Hispanic culture.

Six hours.

21-22. *Second-Year Spanish*. A review of grammar and composition, reading of Spanish prose, oral practice, discussion of Hispanic culture. Prerequisite: Spanish 1-2, or two years of high school Spanish, and a satisfactory score on the placement test.

Six hours.

51, 52. *Advanced Spanish*. Conversation and readings from Spanish authors on a more advanced level. Collateral readings. Prerequisite: Spanish 21-22, or at least two years of high school Spanish, and a satisfactory score on the placement test.

Each semester, three hours.

53, 54. *Survey of Spanish Literature*. Reading from the works of great Spanish writers chosen from various periods of literature. Conducted partly in Spanish. Prerequisite: Spanish 51-52.

Each semester, three hours.

61. *Spanish Romanticism*. Study of representative writers of this period of the nineteenth century, including Martinez de la Rosa, Espronceda, Garcia Gutierrez, Zorilla, and the Duque de Divas. Prerequisite: Spanish 53, 54.

Offered on demand.

First semester, three hours.

62. *The Spanish Regional Novel*. A survey of the realistic and regional novels, including those of Pereda, Valera, Galdos and others. Prerequisite: Spanish 53, 54.

Offered on demand.

Second semester, three hours.

HEALTH AND PHYSICAL EDUCATION

A major in Health and Physical Education shall consist of 24 semester hours in courses numbered 51 and above. Supporting courses for a major in Health and Physical Education shall consist of Biology 7-8.

1, 2. *Health and Physical Education*. In this course suitable experiences in health and physical education for freshmen are provided. Three periods per week will be required, two of which will be by fixed schedule and one by appointment with the physical education staff.

Each semester, one hour.

21, 22. *Health and Physical Education*. In this course suitable experiences in health and physical education for sophomores are provided. Three periods per week will be required, two of which will be by fixed schedule and one by appointment with the physical education staff.

Each semester, one hour.

50. *Personal and Community Health.* A study of the problems of individual health and safety. Emphasis on good grooming and personality. A study of specific facts concerning health, communicable diseases, etc. Required of those who expect to teach in the public schools.

Each semester, two hours.

51. *Principles of Health, Physical Education, and Recreation.* The nature of health, physical education, recreation, especially in relation to overlapping fields and to education in general. Historical background. An analysis of the various objectives of physical education based on the principles of psychology and physiology.

First semester, three hours.

52. *Tests and Measurements.* A study of the methods used in finding the abilities and ratings of students in health and physical education. Tests and measurements of physical fitness, social efficiency, and motor and physical skills.



Alternate years; offered 1964-1965.
Second semester, three hours.

53. *Kinesiology*. A scientific background course with special emphasis on the architectural structure of the skeletal framework in relation to weight, support, balance, and movement, as well as physiological properties of muscle.

Alternate years; offered 1965-1966.
First semester, three hours.

54. *Human Anatomy*. A brief survey of the structure and function of the major organ systems of the human body. Primarily concerned with the anatomy of the skeletal, muscular, circulatory and nervous systems with emphasis on the functional aspects.

Alternate years; offered 1964-1965.
Second semester, three hours.

55. *Individual and Dual Sports*. To acquaint the prospective teacher with the methods of teaching the basic minor sports, and to give an understanding of program construction and methods and materials for teaching on the elementary and secondary level. Two hours lecture and two hours laboratory.

Alternate years; offered 1964-1965.
First semester, three hours.

56. *Safety and Driver Education*. A course designed to give the student background and knowledge of materials and methods of safety education. Upon successful completion of the course the student can initiate action through the State Department of Physical Education for certification as a Driver Education Instructor.

Second semester, three hours.

58. *First Aid and Treatment of Athletic Injuries*. Fundamentals of administering first aid in all its aspects. A first aid course leading to qualification of Red Cross First Aid Instructors. Special attention to the treatment of athletic injuries.

Alternate years; offered 1965-1966.
Second semester, three hours.

59. *Methods and Materials in Health*. Various methods, procedures, and techniques are presented and discussed in relation to their use in the health instruction program. Study of advanced health information.

Alternate years; offered 1965-1966.
First semester, two hours.

62. *Recreation and Outdoor Education*. The program of recreation in the home, school, church, youth, and other community organizations. Practical work in social and recreational activities. Course designed for those who may wish to specialize in recreational leadership.

Alternate years; offered 1964-1965.
Second semester, three hours.

64. *Physical Education in the Elementary School*. A course providing experiences and techniques of teaching physical education and recreational activities in the elementary school.

Alternate years; offered 1965-1966.
Second semester, three hours.

66. *Teaching and Coaching Team Sports*. Considers the methods of teaching and controlling players. Emphasis on teaching the skills involved in major sports and on officiating; also on the strategy and designing of plays for the popular competitive sports. Two hours lecture and two hours laboratory. Separate courses for men and women.

Alternate years; men 1965-1966; women 1964-1965.
Second semester, three hours.

HISTORY AND POLITICAL SCIENCE

A major in History shall consist of courses 21, 22; 51, 52; 57, 58; 80; two of the following courses in History: 61, 62, or 64; and 6 semester hours of electives in History or Political Science in courses numbered 50 or above. Supporting courses shall consist of 9 semester hours in the following: Political Science 21, Economics 21, and Business 68. Prerequisite to a major in History is History 1, 2.

HISTORY

1, 2. *Western Civilization*. A study of the evolution of European Civilization with primary emphasis on the composite contribution of past cultures to modern Western Culture. Special attention will be given to the Greco-Roman, Ancient World, Feudalism, the Christian Church of the Middle Ages, Renaissance and Reformation, and conspicuous contributions and activities of Europe during the Modern Period.

Each semester, three hours.

21, 22. *American History*. The first semester is a study of the political and social history of the United States from the discovery of the Americas to the Civil War and its attendant problems. The second semester begins with the problems of the reconstruction era and continues with a study of the problems of the country to the present.

Each semester, three hours.

51, 52. *England and the British Empire*. England from the earliest times up to the formation of the British Commonwealth of Nations, and the far-reaching effect of English policies on the thought of the world.

Each semester, three hours.

53. *History of Russia*. A study of political, social, and diplomatic activities in the Russian sub-continent with special emphasis upon twentieth century developments.

Alternate years; offered 1964-1965.

First semester, three hours.

54. *Medieval Civilization*. A survey of Western European history from 500 to 1300 A. D. The emphasis is on feudal and manorial institutions, the rise of national states, the revival of town life, and the ideology and institutions of Christianity.

Alternate years; offered 1964-1965.

Second semester, three hours.

55. *The Age of the Renaissance, 1300-1500*. An analysis of humanism, Renaissance art, the development of modern statecraft, and the emergence of a capitalist economy. The emphasis is on the contribution of Italy to modern Western civilization and on the diffusion of Italian techniques to Northern and Western Europe.

Alternate years; offered 1965-1966.

First semester, three hours.

56. *The Age of the Reformation and Counter-Reformation, 1500-1648*. An analysis of the sixteenth century religious upheavals, the emergence of the modern European and state system, and the economic impact of the discoveries.

Alternate years; offered 1965-1966.

Second semester, three hours.

57. *Modern Europe Prior to 1870*. A study of the period from the French Revolution to 1870 with emphasis upon the consideration of the forces of nationalism and liberalism.

First semester, three hours.



58. *Europe Since 1870*. The events following the Franco-Prussian War and leading up to the First World War are studied. Cultural and economic factors as well as international and domestic, political, and military history will be considered.

Second semester, three hours.

61. *Constitutional History of the U. S.* A study of the evolution of the Constitution resulting from the rise of Modern America.

Alternate years; 1965-1966.

First semester, three hours.

62. *Social and Intellectual History of the U. S.* A study of social and intellectual aspects of United States history from earliest settlements to present day.

Alternate years; 1964-1965.

Second semester, three hours.

64. *Diplomatic History of the U. S.* An introduction to the history of American foreign policy with reference to political, social, and economic developments shaping that policy. Prerequisite: History 21, 22.

Alternate years; offered 1965-1966.

Second semester, three hours.

71. *Latin America*. A study of the colonies of Latin America, their struggles for independence, and the trends and developments since Independence.

Alternate years; offered 1964-1965.

First semester, three hours.

72. *Far Eastern History*. A study of the development of Oriental cultures with emphasis on the impact of Western Civilization upon the Far East.

Alternate years; offered 1964-1965.

Second semester, three hours.

80. *Seminar*. A course in the techniques of the historical discipline. (Required of Juniors.)

Either semester, one hour.

81. *Seminar*. A course emphasizing bibliography, historiography, philosophy of history and research. (Recommended for Seniors planning Graduate Work.)

First semester, three hours.

POLITICAL SCIENCE

21. *Principles of Political Science*. An introduction to the character of politics by a systematic treatment of its fundamental issues. The following "great

issues" of politics are analyzed separately and then in unison: Privilege or equality? Monism or pluralism? Authoritarianism or constitutionalism? Concentration of powers or dispersion? Nationalism or universalism?

First semester, three hours.

51. *United States Government.* A study of the theories underlying the state, the formation of the Federal Union, the functions of departments and the duties as well as the relation of the several states to the Federal Government.

First semester, three hours.

52. *State, City, and Rural Government.* The place of the states in the nation, their constitutions, problems of administration, departments, officials and their duties, and some present trends from states' rights to centralization.

Second semester, three hours.

53. *Comparative Government.* A descriptive analysis of the major European political systems of the current period.

Alternate years; offered 1963-1964.

First semester, three hours.

54. *History of Political Theory.* An analytic survey of political thought from Socratic principles to modern ideologies. Prerequisite: Political Science 21.

Alternate years; offered 1964-1965.

Second semester, three hours.

56. *American Political Parties.* A study of political parties and elections in the United States.

Alternate years; offered 1965-1966.

Second semester, three hours.

HOME ECONOMICS

Option 1: A major in Home Economics shall consist of not less than 30 semester hours, including courses numbered 1 and 2 and other courses approved by the Department.

Option 2: A major in Home Economics Education shall include courses numbered 1 and 2, 21 and 22, 24, 54, 56, 57, 58, 59, 61, 62, 63, 65, 66, and 80. Supporting courses for a major in Home Economics Education shall consist of courses selected from the Departments of Art, Sociology, Psychology, Education, and Physical Education to meet certification requirements.

It is the purpose of the college, through this department, to prepare young women to be builders of happy and healthful homes, to serve as practical dietitians, to pursue graduate courses in home economics, and for the special teacher's certificate in home economics.



1. *Textile Study.* A study of textile fibers, tests for identification, yarn and fabric construction, methods of finishing, characteristics, uses and economics of materials. One hour lecture, four hours laboratory.

First semester, three hours.

2. *Clothing Construction.* A study is made of factors influencing fashion, of analysis of personality and figure as related to costume design, of wardrobe planning and buying, and of commercial patterns and clothing construction. One hour lecture, four hours laboratory.

Second semester, three hours.

21. *Food for the Family.* A study of basic cookery and nutrition and of principles involved in food selection, preparation, and preservation. One hour lecture, four hours laboratory.

First semester, three hours.

22. *Meal Management.* A study of the application of foods and nutrition principles to meal planning and preparation, of units in table appointments, and of demonstration techniques. One hour lecture, four hours laboratory.

Second semester, three hours.

24. *Art and Design.* A general consideration of the principles of design, art, and color, with application in the fields of home decoration and clothing design.

Second semester, three hours.

54. *Child Growth and Development.* A study of the development, care, and training of the infant and pre-school child. Special emphasis is given the importance of home relationship.

Second semester, three hours.

56. *Family Health.* Nursing techniques and general procedures used in home care of the sick, including the Red Cross course in the care of the sick and injured. Attention is also given to prenatal, postnatal, and infant care.

Second semester, two hours.

57. *Economics of Family Living.* Using family income and resources to provide basic family needs, standards to use in the selecting of goods and services, consumer information that is reliable, planning for family security and well-being.

First semester, two hours.

58. *Nutrition.* This course aims to give the student the ability to construct adequate diets based on age, size, and occupation of the individual, and to offer a study of current problems in nutrition. The relationship of food selection to health and the development of habits of functional nutrition is emphasized. Three hours lecture and two hours laboratory per week.

Second semester, four hours.

59. *Home Management.* A study of family resources which contribute to the achievement of family goals; use and care of equipment.

First semester, three hours.

61. *Residence Home Management.* This period of residence serves as a laboratory for the application of the principles of household management, nutrition, food preparation and service, home decoration, and creative social living for family life. Eight weeks residence in Home Management House.

First semester, three hours.

62. *House Planning and Furnishing.* A consideration of choice of site, house planning and architecture, interior decoration from the standpoint of backgrounds, window treatments, color schemes, and the study of period furniture.

Second semester, three hours.

63. *Special Methods in Home Economics.* This course includes a study of objectives, curriculum planning, and special methods and techniques. Trends in secondary education are taken into consideration.

First semester, three hours.

65. *Vocational Home Economics.* A study is made of the laws governing vocational home economics and its management and of vocational guidance. A study of problems in teaching home economics, organization and administra-

tion of vocational home economics programs in high schools, and the relation to state and national programs.

First semester, three hours.

66. *Advanced Clothing*. Emphasis is placed on the construction of tailored garments and pattern design. Two three-hour laboratories.

Second semester, three hours.

68. *Family Relationships*. A study of the family and the interrelationships of its members during the various stages of the family life cycle. Emphasis is given to family living as it contributes to the growth and development of each individual in the family.

Second semester, three hours.

80. *Supervised High School Teaching*. (See Education 100, p. 60.)

MATHEMATICS

A major in Mathematics shall include courses numbered 15, 16, 31, 32, 53, 54, 58, 68, and 9 additional semester hours selected from courses numbered 50 and above. It is recommended that Philosophy 54, *Logic*, also be included.

11, 12. *Modern College Mathematics*. An introduction to college mathematics from the modern point of view. The first semester is devoted primarily to college algebra, with emphasis on the real number system and algebraic structures. Related topics, including geometry, will be discussed second semester.

Each semester, three hours.

15, 16. *Mathematical Analysis*. This course is designed for students expecting to continue in science or mathematics and is a prerequisite for Mathematics 51. Students who have a good high-school background in mathematics or who show unusual ability in mathematics will be permitted to take this course. It consists of a study of College Algebra, Trigonometry, and Analytic Geometry, with emphasis on the modern approach.

Each semester, three hours.

20. *Trigonometry*. The principles and application of plane and spherical trigonometry. Prerequisites: Plane Geometry and two high school units of algebra.

Either semester, three hours.

28. *Introduction to Statistics*. A study of the nature and importance of statistics in our complex society. Topics to be studied include statistical tables and graphs, uses of statistics, frequency and time distribution, central tendency, deviations, correlation and regression. Prerequisite: Math 11.

Second semester, three hours.

30. *Analytic Geometry*. A brief course in analytic geometry of two dimensions. Prerequisite: Mathematics 20.

Either semester, three hours.

31. *Calculus I*. An introduction to differentiation and integration of algebraic and trigonometric functions. Prerequisite: Mathematics 16.

First semester, three hours.

32. *Calculus II*. A continuation of the study of differentiation and integration, with emphasis on the study of transcendental functions, more advanced techniques in integration, partial differentiation, and multiple integration. Prerequisite: Mathematics 31.

Second semester, three hours.

53. *Advanced Calculus I*. Further topics in the study of differentiation and integration, including the real number system, limits, convergence, continuity, theory of differentiation, and theory of Reimann integration. Prerequisite: Mathematics 32.

First semester, three hours.

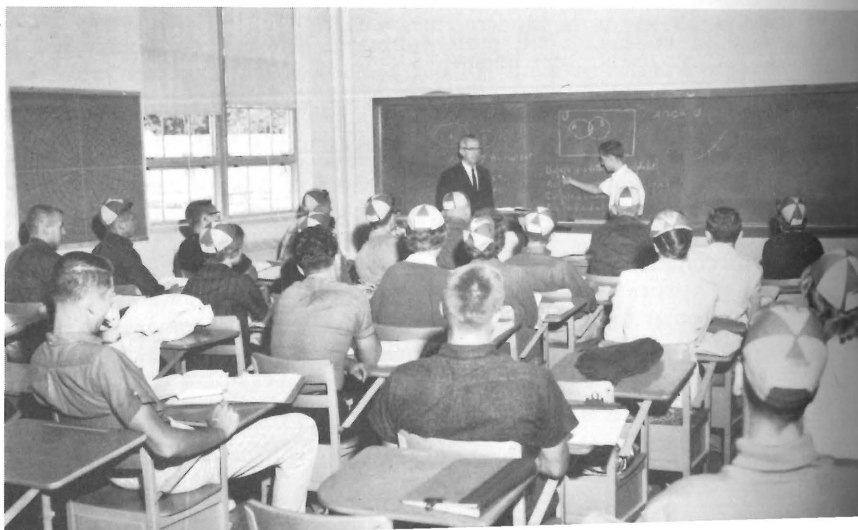
54. *Advanced Calculus II*. A study of improper integrals, theory of multiple integration, infinite series, power series, and uniform convergence. Prerequisite: Mathematics 53.

Second semester, three hours.

56. *Modern Geometry*. An introduction to the fundamental concepts of geometry, including projective and non-euclidean geometries, with emphasis on the axiomatic method. Prerequisite: Mathematics 16.

Alternate years; offered 1964-1965.

Second semester, three hours.



57. *Advanced Plane and Solid Analytic Geometry*. This course begins with the study of the properties of plane curves and is concluded with the study of geometry of space. Prerequisites: Mathematics 20, 30.

First semester, three hours.

58. *Differential Equations*. Ordinary and partial differential equations. Prerequisite: Mathematics 52, or concurrently with Mathematics 52.

Second semester, three hours.

59. *Linear Algebra*. A study of the fundamentals of linear algebra, including vector spaces, matrix algebra, linear transformations, and bilinear and quadratic forms. Prerequisites: Mathematics 51 and junior standing, or consent of instructor.

First semester, three hours.

62. *Modern Algebra*. An introduction to higher algebra, with emphasis on algebraic structures such as groups, rings, integral domains, and fields. Prerequisites: Mathematics 16, and junior standing or consent of instructor.

Second semester, three hours.

63. *Theoretical Statistics*. Introduction to the theory of statistical inference; sampling theory and tests of significance; correlation, least squares and contingency tables with application in the various physical and social sciences. Prerequisites: Mathematics 51, 52.

Alternate years; offered 1965-1966.

First semester, three hours.

64. *Surveying*. A study of the principles and methods of surveying with practical application in field work. Prerequisite: Mathematics 20.

Alternate years; offered 1965-1966.

Second semester, four hours.

65. *Vector Analysis*. This course includes the basic algebra and calculus of vectors with special emphasis on the physical applications. Prerequisite: Mathematics 52.

First semester, three hours.

68. *Seminar in Mathematics and Physics*. Discussion and presentation of papers by students and faculty on problems of current interest in mathematics and physics. One hour seminar each week. Prerequisite: Senior standing with a major in mathematics or mathematics and physics, or with consent of the instructor.

Second semester, two hours.

MUSIC

Option 1: A major in Music shall include courses numbered 23-24, 51, 52; and sixteen additional semester hours of courses selected and approved by the Department; and two semesters of active participation in Band or Orchestra and also two semesters of active participation in Glee Club. Music 1-2 is prerequisite to a major in the Department.

Option 2: A major in Music Education shall include courses numbered 1-2, 15, 16, 23-24, 51, 52, 54, 57, 58, 59, 62, 71 and 72; and 16 semester hours in applied music, including piano, voice, organ, and string or wind instruments. This requirement in applied music must include two semester hours in piano, two semester hours in voice, four semesters of active participation in Band or Orchestra and four semesters active participation in Glee Club. Directed electives in Education and Physical Education to meet certification requirements are also required in this option.

It is the purpose of the Department of Music to extend the cultural advantages of a musical education to all students in order to develop an appreciation of good music and to cultivate skill in the various branches of musical art; to prepare private teachers and grade school and high school teachers and supervisors; to develop church musicians and ministers of music; to train concert and radio performers; to offer pre-conservatory courses; and to offer courses leading to the Bachelor of Arts Degree and the Bachelor of Science Degree in Music Education.

The curriculum leading to the degree of Bachelor of Science in Music Education will prepare the student to teach or supervise music in elementary and high schools.

The curriculum leading to the Bachelor of Arts Degree with a major in music may be pursued as a cultural objective, as a pre-conservatory course, or as a preparation for private teaching.

The student who pursues the curriculum leading to the Bachelor of Arts Degree with a major in applied music will be required to present a public recital at some time in his senior year.

MUSIC THEORY

1-2. *Theory.* A study of terms, notation, meter and measure, scales, intervals, melody writing, primary and secondary chords and inversions, four-part writing, modulation to near-related keys, sight-singing, dictation, and keyboard harmony. Five class hours per week.

Each semester, four hours.

15, 16. *Wind and Percussion Instruments.* A practical methods course in the teaching, playing techniques, and care of the woodwind, brass, and percussion instruments for use in the public schools.

Each semester, two hours.

23-24. *Advanced Theory, Form, and Analysis.* A continuation of Music 2 with



the addition of modulation to remote keys, chromatic alterations, non-harmonic tones, and form and analysis of the larger forms of master compositions. Five class hours per week.

Each semester, four hours.

51, 52. *History and Literature of Music.* A chronological study of the development of musical styles and literature. Particular attention is given to the individual contributions of various composers. Compositions will be played illustrating the pre-classic, classic, romantic, and modern periods.

Alternate years; offered 1964-1965.

Each semester, three hours.

54. *Conducting.* This course includes both choral and instrumental conducting. A study is made of the elements of conducting, use of the baton, score reading, the organization of choruses and orchestras, and the suitable materials for these organizations.

Second semester, three hours.

55. *Music Appreciation.* Listening with guidance to masterpieces of music art. A study of the principles of appreciation, historical backgrounds, and styles of composition. Types of music and musical structure are considered. There is some correlation of other fine arts with music.

First semester, two hours.

56. *Church Music.* A study of the entire field of church music with work in the areas of history, hymnology, administration, graded choirs, choral techniques, choral literature, and worship.

Alternate years; offered 1965-1966.

Second semester, three hours.

57. *Music Methods in the Elementary School.* Selections and presentation of

rote songs, the child voice in singing, problems of the score, creative activities, rhythmic training, and the listening program of grades one to six inclusive.

First semester, three hours.

58. *Music Methods in the High School*. Emphasis is placed on materials and techniques of teaching in the junior and senior high school. Evaluation of current methods in music education. Criteria for selection of materials and classroom procedure.

Second semester, three hours.

59. *Instrumentation*. A study is made of the instruments of the orchestra and band as to their classification, range, fingering, tone-color, and their general use. The course provides for writing and arranging of music for solo instruments, ensembles, band and orchestra.

First semester, three hours.

62. *String Instruments*. A practical methods course in the teaching and playing techniques of the string instruments for use in the public schools.

Alternate years; offered 1964-1965.

Second semester, two hours.

64. *Marching Band Technics*. Technics of drilling a marching band, analysis of materials for field and street maneuvers, fundamentals of baton twirling, 6-way scoring, organization, and preparation of band shows.

Alternate years; offered 1965-1966.

Second semester, two hours.

71. *Supervised Teaching in the Elementary School*. Supervised observations and teaching in the public elementary schools.

First semester, three hours.

72. *Supervised Teaching in the High School*. Supervised observations and teaching in the public high schools.

Second semester, three hours.

APPLIED MUSIC

Students may register for one or two hours in any applied music with the approval of their adviser and the Music Faculty. All those who have not had applied music at Bridgewater College will be required to appear in an audition before the Music Faculty. The Faculty will determine the level of achievement and the number of the applied music course for which the student may register.

One may register in Piano, Organ, Voice, String, Wind or Percussion Instruments.

- 1, 2. For piano students who have not had formal lessons or are not beyond

the third grade level of music.

For organ students who have not had formal lessons in organ or are not beyond the fourth grade in piano study.

For beginning vocal students, non-music majors.

For instrumental students who have not had previous instrumental training or are not beyond the third grade level of music.

21, 22. A continuation of 1 and 2.

31, 32. For piano students who have attained the ability to play material of at least intermediate grade and who have knowledge of all major and minor scales and principal chords.

For organ students who have the technical skill to play the more advanced piano compositions, such as Bach Inventions and Beethoven, Haydn or Mozart Sonatas.

For voice students who have had some vocal training and have some knowledge of basic vocal techniques, such as breath control, enunciation, tone production, etc., and for beginning music majors.

For instrumental students who can play with good musicianship anything contained in a standard elementary method for their instrument and who can execute at reasonable speed and with all common articulations major, minor, and chromatic scales within the normal playing range of the instrument or, in the case of percussionists, the "first 13" rudiments.

51, 52. Second year of advanced work.

61, 62. Third year of advanced work.

71, 72. Fourth year of advanced work, including a thirty-minute formal or informal recital.

Students should report promptly at the scheduled hour for lessons in applied music and should not request a change of lesson hour except in cases of emergency. Teachers are not obligated to make up private lessons unless they are notified in advance of the scheduled hour that the student plans to be absent.

NATURAL SCIENCE

3, 4. *General Physical Science.* A course designed to help the student appreciate and understand his physical environment and the methods of physical science. Topics for discussion are selected from the fields of astronomy, chemistry, geology and physics, Three lectures and one laboratory per week.

Eight hours.

PHILOSOPHY AND RELIGION

A major in Philosophy and Religion shall consist of not less than 30 semester hours with a minimum of 9 semester hours from either Philosophy or Religion.

PHILOSOPHY

22. *Introduction to Philosophy.* This course is designed to help the student think through the problems of life and destiny as he searches for a comprehensive world view and a philosophy of life.

Second semester, three hours.

51. *History of Philosophy.* Ancient and medieval philosophy. An attempt is made to understand the contributions of major philosophers from Thales to St. Thomas through the reading of selections from their works.

First semester, three hours.



52. *History of Philosophy*. A history of modern philosophy from Francis Bacon to Schopenhauer with special emphasis on selected readings.

Second semester, three hours.

54. *Logic*. An introduction to critical thinking, comprising the study of the laws of thought and of the processes of reasoning, including the deductive and the inductive methods.

Second semester, three hours.

61. *Contemporary Philosophy*. A seminar for the reading and discussion of current and recent philosophical writings.

Alternate years; offered 1965-1966.

First semester, three hours.

69. *Seminar in Aesthetics*. An inquiry into theories of beauty and standards of criticism. Prerequisite: At least one course in philosophy.

Alternate years; offered 1964-1965.

First semester, three hours.

72. *Philosophy Seminar*. This seminar provides an opportunity for intensive study, research, and discussion in inter-departmental fields of current interest. The Departments of Psychology, Sociology, Economics, History, and other departments cooperate, at times, with the Department of Philosophy and Religion in presenting this seminar.

Second semester, three hours.

RELIGION

Prerequisite: Religion 21 and 22 or Religion 23 are prerequisite to all other courses in the field.

21. *Introduction to Old Testament*. A general introductory course designed to provide basic orientation regarding the character and development of Old Testament faith and literature.

First semester, three hours.

22. *Introduction to New Testament*. A study of the historical events and faith that gave rise to Christianity as reflected in the Synoptic Gospels and the Acts of the Apostles. This course includes an analysis of the life and teachings of Christ and of the Apostle Paul, and a brief introduction to the literature of the New Testament.

Second semester, three hours.

23. *Biblical Studies*. A general introductory course designed to provide basic orientation regarding the character and development of the Biblical faith and literature. Readings will be assigned and topics discussed to aid the student in the development of an interpretative framework whereby Biblical studies can

be meaningful and relevant.

First semester, three hours.

24. *Basic Christian Beliefs*. A survey course in the Christian doctrines, designed for the general student who seeks the "why" and the content of Christian belief. Readings and papers will be assigned to aid the student in the development of a personal theology.

Second semester, three hours.

26. *Christian Ethics*. This course provides an opportunity for studying systems of ethics and for examining personal and social problems from the perspective of the Christian faith.

Second semester, three hours.

51. *Biblical Interpretation*. Skill in the use of principles and methods of Biblical interpretation will be developed through a study of selected Biblical writings. Selections of writings to be studied will be guided by the particular interests of the class.

First semester, three hours.

53. *Religions of the World*. This course is a study of the great religions of the world with a view to understanding the main teachings of each and the contributions that these teachings made to the civilizations in which they flourished.

First semester, three hours.

54. *Church History*. Social and political structures of the Church, and issues in theology and ethics are studied. A survey of the history of the Church from the Apostolic Age to the present time.

Second semester, three hours.

55. *Church Vocations Seminar*. Designed for student currently engaged in church vocations. Study will consist of guided independent projects and discussion of church work. Prerequisite: Consent of the instructor.

Offered on demand.

First semester, one hour.

56. *Religion and Culture*. Three aspects of religion in society are considered: the psychology of religious experience, the sociology of religious institutions, and the theology of cultural expression. The relation of the Christian faith and society is examined.

Second semester, three hours.

58. *History of the Church of the Brethren*. A study of the history of the Church of the Brethren from its beginning to the present day. An emphasis will be laid upon understanding the church today in the light of its historical development. Attention will be paid to Brethren doctrine and ideals.

Alternate years; offered 1965-1966.

Second semester, three hours.

62. *Seminar in Philosophical Theology.* This course provides opportunity for advanced students to study selected theological writings from the contemporary period. Prerequisite: Consent of the instructor.

Second semester, three hours.

63. *Christian Classics.* This course is designed to introduce the student to some classical expressions of Christian thought. Readings will be taken from the ecumenical creeds, representative church theologians, and selected devotional writers.

Alternate years; offered 1964-1965.

First semester, three hours.

64. *Biblical Theology.* A study of some basic religious concepts of the Bible carried through the Old and New Testaments. An effort will be made to gain an appreciation of the Bible as a theological unit by studying it as the interpreted record of God's activity in history and man's response.

Alternate years; offered 1964-1965.

Second semester, three hours.

PHYSICS

A major in Physics shall consist of courses numbered 21-22, 51, 52, 68, and ten semester hours from additional courses numbered 50 or above. At least four hours must be laboratory courses. Supporting courses for a major in Physics shall consist of Mathematics 51, 52, 58, and 65; Chemistry 1-2 is also strongly recommended.

21-22. *General Physics.* In the first semester a study of mechanics, properties of matter, heat, and sound; in the second semester a study of light, electricity, magnetism, and modern physics. Prerequisite: A working knowledge of trigonometry. Three hours lecture, three hours laboratory.

Eight hours.

51, 52. *Electricity and Magnetism.* Electrostatics, dc circuits, electromagnetic effects, ac circuits, and Maxwell's equations are studied. Prerequisites: Mathematics 51, 52, 65 and Physics 21-22. (Mathematics 65 may be taken concurrently.)

Alternate years; offered 1965-1966.

Each semester, three hours.

53, 54. *Mechanics.* Statics and dynamics of a particle, motion of a system of particles, mechanics of a rigid body, and oscillations of a dynamic system are



studied. Prerequisites: Mathematics 51, 52, 65 and Physics 21-22. (Mathematics 65 may be taken concurrently.)

Alternate years; offered 1964-1965.
Each semester, three hours.

55. *Atomic Physics*. Deals with atomic and sub-atomic particles, electromagnetic radiation, wave particle dualism, and spectra. Prerequisites: Mathematics 51, 52 and Physics 21-22.

Alternate years; offered 1965-1966.
First semester, three hours.

56. *Nuclear Physics*. Topics include nuclear models, natural and artificial disintegrations, radiations, detectors, and high energy machines. Prerequisite: Physics 55.

Alternate years; offered 1965-1966.
Second semester, three hours.

58. *Optics*. A study of geometrical and physical optics, including nature and propagation of light, compound optical systems, interference, diffraction, and polarization. Prerequisites: Mathematics 51, 52 and Physics 21-22.

Alternate years; offered 1964-1965.
Second semester, three hours.

61. *Electrical Measurements*. Includes instrumentation and measurements in the field of electricity. Prerequisites: Physics 21-22. Six hours laboratory.

Alternate years; offered 1965-1966.
First semester, two hours.

62. *Electronics*. A course in circuit analysis of both tube and solid state circuits, with emphasis on basic concepts. Prerequisite: Physics 52. (May be taken concurrently.) Two hours lecture, three hours laboratory.

Alternate years; offered 1965-1966.

Second semester, three hours.

- 63, 64. *Experimental Physics*. Advanced experiments selected from mechanics, optics, solid state, radiation, atomic and nuclear physics. Prerequisites: Physics 21-22. Six hours laboratory.

Alternate years; offered 1964-1965.

Each semester, two hours.

65. *Thermodynamics*. Discusses the equations of state, the first and second laws, and topics from kinetic theory. Prerequisites: Mathematics 51, 52, 58, and Physics 21-22.

Alternate years; offered 1964-1965.

First semester, three hours.

66. *Solid State Physics*. The crystal structure of materials is used in predicting thermal, magnetic, conduction, and other properties of solids. Prerequisites: Mathematics 51, 52 and Physics 21-22.

Alternate years; offered 1964-1965.

Second semester, three hours.

68. *Seminar in Mathematics and Physics*. See Mathematics 68 for a description.

Second semester, two hours.

72. *Quantum Theory*. Treats DeBroglie waves, the uncertainty principle, and the application of Schroedinger's equation to selected problems in physics. Prerequisites: Mathematics 51, 52, 58 and Physics 21-22.

Alternate years; offered 1965-1966.

Second semester, three hours.

PSYCHOLOGY

A major in psychology shall consist of not less than 21 hours in psychology courses numbered 50 and above and 20 hours in related courses as follows: eight hours in Biology or Physics, three hours in Statistics or Calculus, and nine hours in Economics, Philosophy, and/or Sociology. Majors are urged to take two years of French and two years of German.

Prerequisite: Psychology 20 is prerequisite to all other courses in psychology.

20. *General Psychology*. An introduction to the science of behavior. Emphasis is placed upon the understanding of human behavior in terms of sensation, perception, motivation, emotion, maturation, intelligence, and the learning processes.

Either semester, three hours.

22. *Psychology of Adjustment*. A study of normal human adjustment and emotional maturity in terms of motivation, emotion, and personality. Major emphasis is placed on the understanding of one's own adjustment and mental health. A recommended second course in psychology.

Second semester, three hours.

50. *Educational Psychology*. See Education 50.

51. *Psychometrics*. A study of quantitative methods needed in psychology, psychophysical methods, scaling methods, correlation and test methods, and simple statistical evaluative methods.

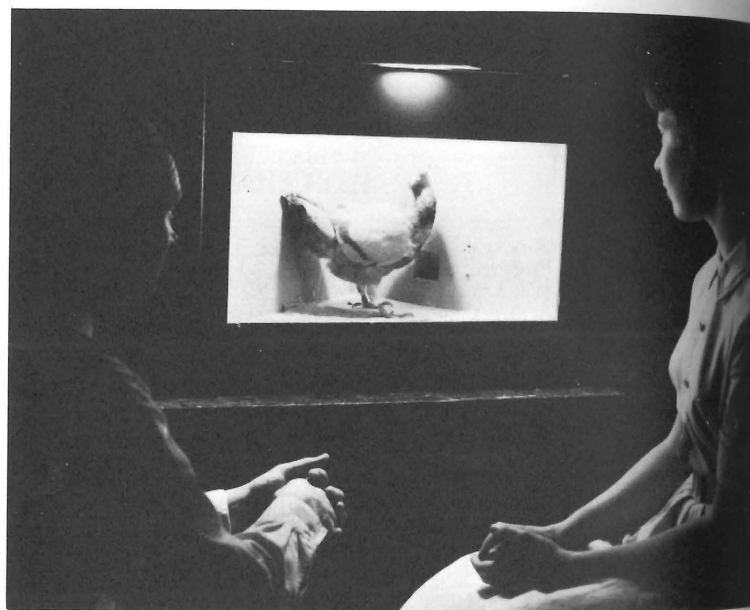
First semester, three hours.

54. *Physiological Psychology*. The anatomical and physiological basis of behavior and consciousness with special emphasis upon the study of the development and function of the nervous system and sense organs. Three hours lecture and two hours laboratory per week.

Alternate years; offered 1964-1965.

Second semester, four hours.

56. *Theories of Learning*. An analysis of the processes of acquisition, retention, transfer, and concept formation from the point of view of the current learning theories. Three hours lecture and two hours laboratory per week.



Alternate years; offered 1965-1966.
Second semester, four hours.

57. *Abnormal Psychology*. A study of the symptoms, dynamics, treatment, and prognosis of the various forms of behavior pathology. Prerequisite: Psychology of Adjustment, or by permission.

First semester, three hours.

59. *Psychology of Human Relations*. A study of the understanding, prediction, and control of human behavior as applied to interpersonal relationships in small groups, committees, classrooms, business, and industry.

Alternate years; offered 1964-1965.

First semester, three hours.

62. *Experimental Psychology*. An introduction to scientific methods of investigation as applied in the psychological laboratory. Emphasis is placed upon both methodology and material content. Three hours of lecture, two hours of laboratory per week. Prerequisite: Permission of instructor.

Second semester, four hours.

63. *Seminar in Psychology*. An opportunity is given for study of more advanced psychological concepts than is possible in other course offerings. Designed for advanced psychology majors.

First semester, three hours.

64. *Advanced Seminar in Psychology*. This is an advanced honors seminar for students interested in future graduate study in psychology. Prerequisite: Permission of instructor.

Second semester, three hours.

65. *Social Psychology*. A psychological analysis of the individual's behavior in social groups.

Alternate years; offered 1965-1966.

First semester, three hours.

70. *Special Problems in Psychology*. A study of special problems involving individual research and a written thesis. Provided for majors only.

Either semester, three hours.

SOCIOLOGY

A major in Sociology includes courses numbered 20, 56, 58, and at least 9 semester hours from other courses numbered 50 or above. At least 12 semester hours of supporting courses must be elected with the approval of the Department from Economics, Political Science, History, Philosophy, Psychology

and Religion.

Prerequisite: Sociology 20 is a prerequisite to all other courses except Marriage and Family Life.

20. *Principles of Sociology.* Introductory course. This one-semester course is a study of the significance of the group concept in better understanding human behavior. Included are considerations of culture, personality, social structure, institutions, the community, collective behavior, and social change.

Either semester, three hours.

30. *Marriage and Family Life.* A study of the sociological, psychological, biological, and economic factors affecting the family. Courtship, choice of a mate, engagement, adjustment in marriage, relation of home and church are among the topics discussed.

Either semester, three hours.

51. *Social Problems.* A study of major social problems in America, such as poverty, mental illness, racial and class conflicts. Examination is made of proposals for solution and treatment.

Alternate years: offered 1964-1965.

First semester, three hours.

53. *Criminology.* A study of crime as a social phenomenon with particular attention to causes and treatment of crime.

Alternate years; offered 1965-1966.

First semester, three hours.

54. *The Community.* This course applies the sociological point of view to interpret American community behavior in terms of fundamental, underlying principles of universal validity which have application for behavior in both urban and rural communities. The behavior of selected communities will be analyzed in terms of the principles developed in this course.

Alternate years; offered 1965-1966.

Second semester, three hours.

55. *Social Work.* An introductory course in the field of social work designed to acquaint students with the concepts and methods of case-work, group work, and community organization; the application these have in working with people in contexts other than social work; a brief examination of the historical background of social work; and the various settings within which it is practiced.

Alternate years; offered 1965-1966.

First semester, three hours.

56. *Elementary Research Methods.* This course is designed to give the student some familiarity with research methods in social science. A limited research project will be undertaken to provide opportunity for application.



Alternate years; offered 1964-1965.
Second semester, three hours.

58. *Sociological Theory*. The aims of this course are to acquaint the student with the conceptual development of sociological thought, to examine the relationship between theory and empirical research, and to emphasize the practical value of theory.

Alternate years; offered 1965-1966.
Second semester, three hours.

61. *Seminar in Sociology*. An opportunity is provided the student to study in some area in the field of sociology which is presently not offered as a formal and established course in the department. Thus, the area to be studied may vary each time this course is offered, depending upon the interests of students and professor.

Alternate years; offered 1964-1965.
First semester, three hours.

62. *Human Relations in Administration*. The purpose of this course is to set forth and apply a system of principles which have a very practical application in the understanding, prediction, and control of human behavior in any type of group; their application to human relations in the economic world especially will be emphasized.

Alternate years; offered 1964-1965.
Second semester, three hours.

64. *Minority Group Relations*. The results of long years of investigation by the anthropologist, sociologist, social psychologist, economist, and historian will be presented to provide insights into a problem which is not only racial and ethnic but socio-cultural, economic, and historical as well.

Alternate years; offered 1965-1966.
Second semester, three hours.

Academic Regulations

Registration. It is important that students register promptly in the period devoted to registration at the beginning of each semester. There is a charge for failure to register at the proper time. In cases of unavoidable delay, notice should be given immediately. Otherwise the College accepts no responsibility for holding room reservations or providing living accommodations.

During the first week of classes of each semester and by permission from the Dean of the College, one may make adjustments in his or her program of studies. While a new course may not be entered, one may be cancelled after the first week, provided permission is obtained. In this event, a grade of *WP*, *WF*, or *F* will be shown on the permanent record.

Class Attendance. Every absence from class is a distinct loss which is practically irreparable. If a student misses more than ten class meetings, or twenty per cent, whichever is the smaller, of the meetings of any class for a semester, he cannot receive credit in this course unless special arrangements are made with the Dean and his instructor. Limited optional class attendance is available to students who have achieved high academic rating. Rules and regulations governing class attendance are printed in full in *The Eagle*, the student handbook.

Classification of Students. Students are classified on the basis of both quantity and quality of work. A first year student or one who has earned less than 26 semester hours and 52 quality points will be classified as a freshman. To be classified as a sophomore, one must have earned at least 26 semester hours and 52 quality points; as a junior, at least 60 semester hours and 120 quality points; and as a senior, at least 94 semester hours and 188 quality points.

A student who is permitted to carry less than twelve hours and who is not a candidate for a degree will be classified as a part-time student. (Members of the classes of 1964, 1965, and 1966 will be classified by the rule stated in the catalogue, March, 1962 issue.)

The Semester Hour. The basis of credit is the semester hour. This is the unit assigned a class which meets one period weekly for lecture, recitation, quiz, or at least two hours weekly for laboratory during one half of the college year. Lecture or recitation periods are one hour in length. Two hours of preparation are expected for each hour of lecture or recitation. Each hour of credit presupposes three hours of work on the part of the student, two hours spent in preparation and one in class, or two to three hours in class in case the work is laboratory.

Quality Points. A candidate for a degree must have earned twice as many quality points as semester hours required for the degree. In a general way, this means that the student must make an average grade of 2.0 to graduate. One should keep his quality points at least twice as great as the number of semester hours attempted at all times as he progresses toward his educational objective.

Quality points are determined as follows: For each semester hour of credit with a grade of A, four quality points are allowed; with a grade of B three quality points are allowed; with a grade of C two quality points are allowed;

and with a grade of D one quality point is allowed.

The change in computing quality points becomes effective for all students beginning with the class of 1967. The quality points of students graduating prior to 1967 will be computed under the old system as described in the catalogue, March, 1962 issue.

The Grading System. A grade will be assigned at mid-semester and at the end of the semester on each subject for which one is officially registered. Only the grades assigned at the end of each semester are recorded on the permanent record. One of the following grades will be issued on each course: A, B, C, D, E, F, I, WP or WF. Each grade is interpreted as indicated below:

A—superior or maximum achievement.

B—above average achievement.

C—average achievement.

D—fair or below average achievement. The lowest mark acceptable for credit.

E—conditional achievement. This grade will be issued as an indication of satisfactory day by day achievement but unsatisfactory achievement on the final examination of the course. It may be removed by satisfactory performance on a second examination administered not later than six weeks after the beginning of the next regular semester following the one in which the grade was received. If this grade is not removed or replaced in this manner, it will automatically become an F. One may be re-examined only once in a given course and in no more than two subjects in any one semester.

I—incomplete achievement. This grade may be given when the student has been unable to complete the course because of illness or some emergency situation which he has not been able to control. The time and conditions for the removal of an I must be approved by the Dean when it is assigned.

WP—withdrawn passing. This grade indicates that the student's achievement in the course was satisfactory at the date of withdrawal. In order to receive it, the withdrawal must have the approval of the teacher of the course and the Dean of the College before the end of the tenth week of a semester or the fifth week of the summer school, or permission to withdraw from college.

WF—withdrawn failing. This grade indicates that the student's achievement in the course was unsatisfactory at the date of the withdrawal. In order to receive it, the withdrawal must have the approval of the teacher and the Dean of the College before the end of the tenth week of a semester or the fifth week of the summer school.

F—unsatisfactory achievement. A grade of F carries no credit. It will be given whenever one of the grades described above does not fit the case. Once this grade is assigned it will remain on the permanent record; however, the course may be repeated.

Grade Reports. Grade Reports are sent twice each semester to parents and students. Parents are furnished special reports at other times upon request.

Minimum Scholarship Standard. A student is expected to achieve an average grade of C or better on the courses for which he is permitted to enroll. However, a student may be allowed to continue his studies for a time, at the discretion of the Council on Education, even though he has not achieved an average of C on his work of the preceding semester.

At the end of each semester, a careful evaluation of the achievement of each student will be made, and a student who falls under the standards listed below will be placed on academic probation or required to withdraw.

The Council on Education is responsible for interpreting the standards and for hearing appeals concerning them.

1. During each semester of the first year, a student must earn at least nine semester hours credit and twenty-four quality points. The total at the end of the first year must be at least eighteen hours credit and forty-eight quality points.
2. During each semester of the second year, a student must earn at least twelve semester hours credit and twenty-seven quality points. The total at the end of the second year must be at least forty-two semester hours credit and one hundred two quality points.
3. During each semester of the third year, a student must earn at least twelve semester hours credit and twenty-seven quality points. The total at the end of the third year must be at least sixty-six semester hours credit and one hundred fifty-six quality points.
4. After the third year, a student must earn at least twelve semester hours credit and twenty-seven quality points per semester.
5. A part-time student who is a candidate for a degree must earn at least twice as many quality points as semester hours attempted.

(The minimum scholarship standard for members of the classes of 1964, 1965 and 1966 are stated in the catalogue, March 1962 issue.)

Academic Probation. One who does not meet the minimum scholarship standards as stated above will be placed on academic probation for one semester. During such probation, the student will be ineligible for participation in extra-curricular activities and will be subject to special counseling by the Deans and his faculty adviser. In case one is placed on academic probation, the fact will be recorded on the permanent record, transcripts of credits, and semester grade reports.

One may be removed from academic probation by summer school attendance provided he earns enough credits and quality points on approved courses to regularize himself in classification and provided he makes a "C" average on at least six semester hours.

Academic Suspension. One who falls under the minimum scholarship standards both semesters of a session will be suspended. Furthermore, one who falls as much as three hours and three quality points under the cumulative standard at the end of a session will be suspended. Following suspension, one is ineligible for readmission until one academic year has elapsed.

To be readmitted, a student must present evidence sufficient to convince the Committee on Admissions that he can meet the minimum scholarship standards. One reinstated by this method must maintain a C average during the period (summer school, semester) immediately following reinstatement. Failure to meet this standard of performance will normally result in academic dismissal.

Academic Load. The normal academic load per semester for a regular student is five courses of two, three, or more semester hours each. However, one semester hour of physical education and one semester hour of applied music may be added provided the total load does not exceed eighteen hours. The addition of a sixth two, three, or four semester hour course makes an overload if the total exceeds seventeen, and one then must have special permission to carry an overload. One permitted to carry an overload must make a grade of C or better on all subjects to avoid a loss of credit in one course.

DEGREE REQUIREMENTS

The curriculum of a college of arts and sciences, considered in the broadest sense, is a course of study planned and organized for the purpose of leading a student to a definite educational objective. But the curriculum is only one of several vital parts of a higher education; the other important constituents are the student, the teacher, the library, his fellow students, the extracurricular program, and the physical and intellectual environment in which he lives. The good college of arts and sciences so organizes these vital elements of a higher education that they interact and give the student as much of a liberal education as he is capable of acquiring.

Like all of Caesar's Gaul, the curriculum at Bridgewater is divided into three parts, with each part having its own requirements and objectives. The first part, planned to insure breadth in knowledge and a mastery of the skills and techniques necessary for living in a highly developed economic and social order, is composed of *Distributive Courses*. Almost all of these courses are required; in several areas though the student has limited options. The *Distributive Courses* have been patterned to insure the student a general education, to give him the necessary skills, techniques, and understandings to enable him to successfully pursue higher educational goals, and to introduce him to several new fields of study about which as a liberally educated man he must know something.

The second part of the Curriculum forms the *Field of Concentration*, or the departmental major. Its purpose is to add depth in some one field to the breadth of knowledge the student gained in the *Distributive Courses*. It enables him to work effectively in his major field after graduation or prepares him adequately for graduate or professional study.

The Elective Courses form the third part of the curriculum. A student is encouraged to elect courses which will increase skills and understandings in his major field, which will fall in fields in which he has an avocational interest, and which will enable him to meet professional and graduate school require-

ments. The Dean of the College, the student's counselor the first two years, and the department head under whom he is majoring help the student choose his electives.

A. GENERAL REQUIREMENTS.

1. Courses amounting to 128 hours must be completed. Forty-eight hours must be in courses numbered 50 or above.
2. Quality points must equal twice the number of semester hours required for graduation. However, the overall quality point average must be no less than 1.9. The quality points on the major and supporting courses composing the concentration must also equal twice the number of semester hours composing it.
3. The senior year and not less than 30 semester hours of academic work must be done in residence at Bridgewater College. At least six to twelve hours of the major must also be completed at Bridgewater.

B. REQUIREMENTS IN DISTRIBUTION OR GENERAL EDUCATION COURSES.

1. *English—12 semester hours*

- a. English 1, 2. Communications—6 hours
- b. English 21, 22. Masterpieces of Literature—6 hours

2. *Foreign Language—6 to 18 semester hours*

The requirement in foreign languages may be met by completing the courses numbered 51, 52 in one language or courses numbered 21-22 in two languages. Beginning students enter courses numbered 1-2. A placement test will be given students with two or more years of high school foreign language to enable the College to determine the course that is proper for them to enter. Normally students presenting two units of high school foreign language will enter courses 21-22. (Effective for the class of 1966 and subsequent classes.)

The language requirements may be waived in the curriculum leading to the Bachelor of Science degree with a major in home economics education.

3. *Natural Science—8 semester hours*

4. *Mathematics—6 semester hours*

5. *History and Social Science—12 semester hours*

- a. History 1, 2. Western Civilization—6 hours
- b. Social Science (Economics, Government, or Sociology)—6 hours

6. *Philosophy and Religion—9 semester hours*

- a. Religion—6 hours
- b. Religion or Philosophy—3 hours. (Music majors may substitute Music 56 for religion or philosophy to meet this requirement.)

7. *Psychology—3 semester hours*

Psychology 20. General Psychology—3 hours

8. *Health and Physical Education*—4 semesters

Physical Education 1, 2, 21, 22. Health and Physical Education—4 hours. This requirement may be waived for veterans.

C. REQUIREMENTS IN THE FIELD OF CONCENTRATION.

A concentration consists of a departmental major of not less than thirty semester hours, or a departmental major of not less than eighteen semester hours and related courses sufficient to bring the total to at least thirty semester hours. The courses composing the concentration must be numbered 20 or above unless otherwise specifically indicated.

Near the end of his sophomore year or before the beginning of his junior year, a program of courses in the major department and related courses comprising the concentration shall be developed for each student by the student and his major professor. A copy of this program must be filed in the office of the Registrar. Any changes in the proposed concentration after it has been started must likewise have the approval of both the major professor and the academic dean and be recorded in the office of the Registrar.

Each student must earn quality points equal to twice the number of semester hours composing the concentration and show satisfactory achievement on a comprehensive examination covering the major. Suitable concentrations from which the student may choose are listed below.

Candidates for the Bachelor of Arts degree may elect to major in one of the following departments: Biology, Chemistry, Economics, English, Foreign Language, General Science, Health and Physical Education, History, Home Economics, Mathematics, Music, Philosophy and Religion, Physics, Psychology, or Sociology.

Candidates for the Bachelor of Science degree may elect to major in Business Administration, Home Economics Education, or Music Education.

Comprehensive Examinations. A candidate for graduation must pass a written comprehensive examination over his major field of concentration. The examinations will be selected or made and administered and graded under the direction of the student's major professor. This examination will be administered prior to March 15 of the year in which the student is expected to finish his work for graduation.

A candidate for graduation whose written comprehensive is unsatisfactory will be required to take an oral comprehensive as a check. The oral comprehensive, if required, will be administered prior to May 1. It will be administered by the student's major professor with the assistance of two other professors appointed by the major professor and the Dean of the College. In case the achievement of the student is found unsatisfactory on the oral, the Chairman of the committee shall report immediately to the Dean of the College who, with the assistance of the Council on Education, will propose a program for remedial action.

D. ELECTIVES.

In addition to the courses required for distribution and concentration, elective courses sufficient to bring the total to at least 128 semester hours are required. At least forty-eight semester hours of the total must be taken in courses numbered 50 or above. Approximately ten courses, or 30 semester hours, will normally be electives. These should be selected with care to fulfill needs for certification to teach, to enter graduate school, or for other special purposes. Students interested in teaching in the public schools should read the requirements for certification stated on pages 59-62, and confer with the teachers of education. This should be done not later than the beginning of the junior year.

SUGGESTED CURRICULUM

This curriculum shows how the courses required for the bachelor's degree should be taken. Changes in the order of the courses and the choice of electives must be made with the approval of the Dean of the College and the student's faculty adviser.

Freshman Year

	<i>Semester hours per sem.</i>	<i>1st</i>	<i>2nd</i>
English 1, 2—Communications	3	3	3
Mathematics	3	3	3
Natural Science	4	4	4
History 1, 2—Western Civilization	3	3	3
Foreign Language or Directed Electives	3	3	3
Phys. Ed. 1, 2—Health and Physical Education	1	1	1
	<hr/>	<hr/>	<hr/>
		17	17

Sophomore Year

English 21, 22—Masterpieces of Literature	3	3
Foreign Language	3	3
Religion	3	3
Social Science or Psychology	3	3
Directed Electives	4	4
Phys. Ed. 21, 22—Health and Physical Education	1	1
	<hr/>	<hr/>
		17

Junior Year

Completion of General Education Requirement	3	3
Major Subjects	6	6
Directed Electives	6	6
Free Electives	2	2
	<hr/>	<hr/>
	17	17

Senior Year

Major Subjects	6	6
Directed Electives	6	6
Free Electives	5	5
	<hr/>	<hr/>
	17	17



Getting Admitted and Meeting Costs

ADMISSION REQUIREMENTS

Admission to Bridgewater College will be granted to those who present evidence of ability to succeed in the type of program provided. While success in a college of arts and sciences may depend upon several qualities and types of achievement, applicants for admission to Bridgewater will be expected to show the following types of ability and achievement.

1. *Graduation from an accredited senior high school or secondary school.* The program of courses completed in the high school should include the following units of credits: four in English; two in one foreign language, preferably in French, German, or Spanish; two in algebra; two in social studies and history; two in science; and four in suitable electives. While the electives may be in vocational or non-academic subjects, it is recommended that they be in academic subjects such as English, science, mathematics and social studies. In case the applicant wishes to become an engineer or scientist, two of the four electives should be in mathematics.

2. *Average or better than average scholarship on the secondary school program completed.* The grades or marks made on the high school or secondary school program and scores made on achievement tests covering the secondary school subjects should be high enough to give reasonable assurance of ability to do college work. Rank in the upper half of the graduating class will normally be required. If an applicant ranks lower than the upper half, strong compensative qualities will need to be shown in order to gain admission.

3. *A satisfactory score on the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.* While applicants are not required to take the Achievement Tests (ACH), they are urged to do so. The Achievement Tests in English Composition and in Intermediate or Advanced Mathematics are recommended especially.

A bulletin of information concerning these tests may be obtained from high school officials or by writing directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey. The dates for both the Scholastic Aptitude Test and the Achievement Tests are as follows:

Saturday, December 7, 1963
Saturday, January 11, 1964
Saturday, March 7, 1964

Saturday, May 2, 1964
Wednesday, July 8, 1964

4. *Good health and character.* Success in a church-related college of arts and sciences will depend not only upon the type and quality of secondary school program completed but also upon health and good character. Good character includes such qualities as clean living, high aspirations, and industriousness. Applicants are expected to present evidence of them.

Advanced Placement and Credit—Credit and advanced placement will be awarded to students on the basis of results on the Advanced Placement Tests of the College Entrance Examination Board, but subject in every instance to the approval of the department concerned and of the Council on Education. Advanced Placement Tests are available in English Composition and Literature, American History, European History, French, Intermediate German, Advanced German, Latin 4, Latin 5, Spanish, Mathematics, Biology, Chemistry, and Physics. Students interested in taking one or more of these tests for the purpose of obtaining credit and advanced placement at Bridgewater should confer with their secondary school principal during their junior year or earlier and with the College upon application for admission.

Admission To Advanced Standing. A student who has matriculated at another accredited institution may transfer to Bridgewater not later than the beginning of his senior year by presenting a complete statement, certified by the institution from which the transfer is sought, of all work taken in that institution, *together with the high school records covering the regular entrance requirements of Bridgewater College.* Such students are also expected to present letters of honorable dismissal from their former institution or other satisfactory evidence of good character.

Students transferring from Junior Colleges are required to take the S.A.T. and three achievement tests of the C.E.E.B. Achievement tests should be taken in English, Mathematics and Social Science.

No student will be admitted to advanced standing who has not complied with these conditions. Normally, transfer credit will not be allowed on courses bearing a grade of less than C. However, by special permission, depending on the circumstances, limited credit may be allowed on courses bearing a grade of D. Students who transfer from other colleges are required to make an average of C on all work taken here in order to qualify for graduation. Any honors received are based on the work done at Bridgewater.

"Time to apply for admission." Application for admission may be made upon the completion of the junior year in high school. Application should be made not later than June 1 of the year one wishes to enroll. Applications received after that time will be considered if accommodations are still available.

Those who wish to enter at the beginning of the second semester must file an application for admission by January 15. First year students normally should not seek admission at this time. If there is space for new students for the second semester, preference will be given to those who are older or who have already completed a semester or more in college.

Procedure. In order to obtain full and complete information concerning the achievements of applicants and their abilities to do college work, Bridge-

water College will make use of the following methods:

1. *The application blank.* The application blank has been designed to provide information needed by the Admissions Committee. This blank may be obtained from the Office of Admissions. After it has been completely filled out, it should be returned to this office. This is the first step, and a very important one, to be taken by all who wish admission to Bridgewater College.

2. *The high school or secondary school transcript.* Upon receipt of the application blank properly filled out, the college will ask the applicant's secondary school principal to furnish an official transcript of his academic record.

3. *Written recommendations.* Upon receipt of the application blank properly filled out, the college will ask the applicant's high school principal, one of his high school teachers, his minister, and also some person who knows both him and the College to provide a character rating or a letter of character recommendation.

4. *Personal interview.* Soon after the application blank has been sent in, the applicant, if he has not talked with an official representative of the College, should arrange to come to the campus for a personal interview. This interview will be made by members of the Admissions Committee or by members of the staff designated for this purpose. Appointment for an interview may be made by telephoning or writing to the Director of Admissions.

5. *Health record.* Each applicant must present a written health report on a form supplied by the College. The health form is sent to each applicant after July 1 or immediately following his admission, if he is admitted after July 1. The form properly executed must be returned to the College before his official registration can begin.

Each application is acknowledged by a letter from the Director of Admissions. As soon as the various data included in an application have been received and evaluated, the applicant is sent a note of acceptance or rejection. Inquiries from applicants are welcomed. Questions will be answered and requested information will be provided promptly.

STUDENT EXPENSES

It is the aim of Bridgewater College to keep expenses at the lowest figure possible consistent with superior quality in education.

Student expenses are calculated on the basis of one inclusive fee covering all costs which are generally assessable to all students. The inclusive fee covers the cost of tuition, registration, student activity fee, library fee, medical fee, physical education fee, and all laboratory fees, excepting breakage deposits. Accident insurance to the extent of \$1,000.00¹ per accident for hospital and surgical fees but not covering illness² is covered by the inclusive fee. This coverage is for a twelve-month period. For boarding students the cost of room and board is also included except for special rooming conditions.

¹Benefits limited to \$600.00 for football injury.

²Sickness insurance may be purchased at the option of the student for a very reasonable cost, \$9.25, the session of 1963-64.

EXPENSES FOR THE SESSION, 1963-1964

Resident Students

Application Fee, New Students	\$ 15.00
(Paid only once. Not Refundable.)	
Inclusive Fee.....	1,600.00

Payments are required as follows:

New Students by May 1, 1964.....	\$ 50.00
(Non-refundable reservation deposit.	
Applied to September payment)	
Returning Students by May 1, 1964.....	50.00
(Non-refundable reservation deposit.	
Applied to September payment)	
On or before registration, September 11-15, 1964.....	750.00
On or before registration, January 29-30, 1965.....	800.00

Non-Resident Students

Application Fee, New Students	\$ 15.00
(Paid only once. Not Refundable.)	
Inclusive Fee.....	900.00

Payments are required as follows:

New Students by May 1, 1964.....	\$ 25.00
(Non-refundable reservation deposit.	
Applied to September payment)	
Returning Students by May 1, 1964.....	25.00
(Non-refundable reservation deposit.	
Applied to September payment)	
On or before registration, September 11-15, 1964.....	425.00
On or before registration, January 29-30, 1965.....	450.00

Students who do not pay the reservation fee by May 15 will be charged an additional \$10.00. This additional fee will not be credited to the student's account in September. Students admitted after May 1 should pay the reservation fee within 15 days or be subject to penalty as shown above.

Part-Time Students

Application Fee (Paid only once—Non-refundable)	\$ 15.00
Registration Fee	5.00
Tuition per semester hour, payable on registration	25.00
(A part-time or special student is one carrying less than 12 semester hours. Not eligible for student activity participation and scholarship aid.)	

Special Fees

Late registration	\$ 10.00
Re-examination, each	5.00
Graduation (diploma, cap & gown rental)	10.00
Transcript (First one free) Additional	1.00
(25c charged for each additional transcript made in same process.)	
Room with connecting bath	20.00
(\$20.00 deducted from room charge when 3 persons occupy room.)	
Home Management House for non-resident student	175.00
(8 weeks)	
Overload—per hour	20.00
Audition Fee per semester hour	12.50
Key Deposit	2.00
(Deposit will be refunded when key is returned to Business Office at end of school session by person making deposit.)	
Laboratory Breakage Deposits:	
General Chemistry, per semester	2.00
Analytical Chemistry, I & II, semester	5.00
Organic Chemistry, I & II, semester	7.00
Physical Chemistry, I & II, semester	5.00
Bio-Chemistry, I & II, semester	7.00
Organic Qualitative Analysis, I & II, semester	5.00
(Refunds will be made at the close of the session on unused balances.)	
Car Registration	Resident student 5.00
	Non-Resident student 2.00

Variable Expenses

Each student pays for his own:

Books (approximate cost)\$ 70.00

(The College Bookstore sells books and supplies for cash only.)

Personal laundry and expenses (determined by the student and his parent).

PRIVATE INSTRUCTION

When students are enrolled in the Music Education Course, and when a junior or a senior is enrolled in the course leading to a B.A. degree with a major in music, the cost of instruction in applied music is covered in the Inclusive Fee provided the prescribed hours for that curriculum are not exceeded. However, not more than two hours per semester of Applied Music will be permitted under the Inclusive Fee. Rates for private instruction for all students will be

charged as scheduled below:

Piano, Voice, String and Wind Instruments:	Per semester
One lesson per week	\$ 45.00
Two lessons per week	80.00
Pipe Organ, one lesson per week	45.00
Piano rental, one hour per day	5.00
Organ rental, five hours weekly	25.00
Musical instruments	5.00
Voice Class	20.00

REFUNDS

The College must contract for its faculty and other educational services a year or more in advance. Therefore, it has adopted the policy that there will be no refund of fees except when the College physician recommends the withdrawal of a student. When this occurs, the student's charges will be adjusted in proportion to time spent in school.

The College will not give final examinations, grant a degree, nor issue a transcript of credits unless satisfactory arrangements have been made with the Business Office for payment of all fees.

METHODS OF PAYMENT

1. The Inclusive Fee for each semester and fees for all part-time students are due according to schedule on p. 106.

2. For those who prefer to pay the Inclusive Fee in equal monthly installments, the following plans are available:

(A) Education Funds, Inc., Providence, R. I.

One, two, three, four years of schooling with payments spread from 8 to 72 months. Plan gives Life Insurance for parent, regardless of plan selected, to cover remaining costs of schooling as contracted should parent die.

(B) Tuition Plan, One Park Avenue, New York 16, N. Y.

One, two, three, four years of schooling with payments spread over 8, 20, 30, 40 or 60 months. Plan includes Life Insurance for qualified parent to cover remaining schooling if parent should die should a multiple year plan be used.

(C) State-Planters Bank of Commerce and Trusts, Richmond, Virginia.

One, two, three, four years of schooling with payments spread over 24, 48, 60, or 72 months respectively. Insurance coverage included.

Application forms may be obtained from the College Business Manager or by writing directly to the above institutions.

MISCELLANEOUS INFORMATION

Laundering—The College does not operate a laundry, although coin-operated washers are available in the dormitories. Local laundries and cleaners are also available. Linen service is given weekly by the Virginia Linen Service of

Petersburg, Virginia, for a sum of \$25.00 per school session at the option of the student.

Guests—The College rates are moderate and do not include guest privileges. The guests of students may be accommodated in College quarters for a limited time by special arrangement for a modest fee. The prevailing guest rates for meals will be charged at the dining room. All visitors at the College will be expected to pay for meals taken in the dining room unless they are issued complimentary tickets by some official of the College.

Dining Hall Closed Over Holidays—The College will close the dining hall during Thanksgiving, Christmas and Spring vacations. The first meal to be served after each vacation will be the evening meal prior to the day on which classes are resumed.

Financial Assistance

SCHOLARSHIPS AND GRANTS IN AID

Bridgewater College provides a limited number of scholarships and grants in aid as described below. While potentiality for success is a requisite for all types of aid, the foremost requisite is financial need.

Application procedure: An applicant for any of the following scholarships must submit a written application prior to May 1. Further, applicants applying for scholarships amounting to more than \$100 will be required to submit to the College Scholarship Service of the College Entrance Examination Board a Parents' Confidential Statement. The service does not award aid, but assists the College toward a better understanding of the student's financial need. A fee of \$3.00 is charged for this service.

Recipients of scholarships and student aids will be informed at the earliest possible date after the receipt of necessary applications and required information. However, no student will be awarded financial assistance until he is admitted to the College.

1. *General Scholarships.* A number of scholarships, with a minimum value of \$100 and a maximum value depending on need of the applicant, are awarded each year to qualified applicants. Each applicant should meet the following requirements:
 - a. Academic achievement in the secondary school program which would insure academic excellence in college.
 - b. Achievement in extra-curricular activity in the secondary school which predicts probable contribution to the total college community.
 - c. Satisfactory scores on the S.A.T. of the College Entrance Examination Board.
 - d. A four year educational objective at Bridgewater College.

Should a holder of a General Scholarship need financial assistance after the first year, he may apply again. Consideration will be given to his application on the basis of his need and academic progress at Bridgewater College.

An upperclassman may apply for a General Scholarship, and consideration will be given to his application on the basis of his need for financial assistance and his record at Bridgewater College.

2. *Maryland Scholarships*—The income from the Blue Ridge College Fund, amounting to approximately \$1800 per year, is available for scholarships for students from Maryland provided they are members of the Church of the Brethren and need financial assistance. The amount of each scholarship varies, depending on need. Applications from freshmen will be considered first. In case funds are available after all freshmen applicants have been considered, upperclassmen will be eligible provided evidence of need is presented.
3. *Foreign Student Scholarship*—The College offers five scholarships each year to students from foreign countries. These scholarships cover the amount of tuition for a regular session. The scholarship is renewable each year provided the applicant's achievement is satisfactory.
4. *Ministerial Scholarships*—The College offers all student ministers of junior or senior classification who are licensed or ordained, or otherwise committed to definite ministerial service, a scholarship valued at \$100 for each year.
5. *Scholarships for Children of Ministers and Missionaries*—The children of active pastors or of those giving full time to church work are eligible for a scholarship worth \$50 per year provided there is evidence of need. The children of missionaries are eligible for a scholarship worth \$100 per year.
6. *Nursing Education Scholarship*—An annual scholarship of \$250, provided by Bethany Hospital, will be awarded a student studying in the healing arts.
7. *Augusta County Scholarship*—This scholarship has a value of \$200 per year. It is derived from an endowed fund provided in 1954 by the Augusta County Alumni Chapter and will be awarded to a qualified applicant from Augusta County, Waynesboro, or Staunton. The recipient must present evidence of good character and of financial need.
8. *Organ Scholarship*—This scholarship amounts to a minimum of \$100 per year and is made available by an alumnus who wishes to remain anonymous. It will be awarded to a student who is specializing in organ and is in need of financial assistance. This gift was originated in the hope that recipients of it would, after leaving college, give similarly and thus provide a continuing fund for the advancement of the music

program at Bridgewater.

Procedure: The music faculty may nominate the recipient of this scholarship.

PAYMENT OF SCHOLARSHIPS AND GRANTS

All scholarship aid will be applied to students' accounts on the following schedule: one-third of the value of scholarship will apply to first semester and two-thirds will apply to the second semester. Work aid will be applied each semester as earned. No student will be allowed more than one scholarship; however, a student may apply for both scholarship and work, if need justifies.

WORK OPPORTUNITIES

The College employs quite a number of students to perform services about the buildings and campus. The positions available involve such services as library, laboratory, and office assistants, waitresses, janitors, and campus workers. The positions are assigned to applicants who are qualified to render the required services. However, need is considered and upperclassmen are given priority.

Procedure: The applicant for a position files a written application with the Director of Admissions and Financial Aid. Upperclassmen must file their application before April. Freshmen may apply simultaneously with the application for admission, but they will need to wait until after April for a decision.

STUDENT LOAN FUNDS

1. *The National Defense Student Loan Fund*—The National Defense Student Loan Program was authorized by the National Defense Education Act of 1958. In line with the provisions of the Act, Bridgewater College has set up a Student Loan Fund by contributing a sum equal to one-ninth of the amount contributed by the Federal Government and has agreed to administer the Fund.

Recipients of loans are selected by the College. To be eligible for a loan, one must be a full-time student in good standing and in need of financial assistance. Special consideration is given to students with superior academic achievement who express a desire to teach in an elementary or a secondary school and to students who show a superior interest, ability or preparation in science, mathematics, engineering, or a modern foreign language.

One who is eligible may borrow a sum not to exceed \$1,000.00 per year. The borrower and his parent or guardian must sign a note for the loan, agree to begin repayment one year after he ceases to be a full-time student and to complete repayment within ten years, and to pay three per cent interest on the unpaid portion of the loan from the time repayment begins.

His obligation to repay the loan is cancelled in the event of his death or permanent and total disability. If the borrower becomes a full-time teacher in a public elementary or secondary school, fifty per cent of the outstanding loan plus interest will be cancelled. Such cancellation will be at the rate of ten per cent a year up to five years.

In order for the College to administer the program justly, it will be necessary for one wishing a loan to cover expenses for the regular session (both semesters) to file his application by August 1. An application for a loan to cover the summer session expenses must be filed by June 1. Applications must be filed with the Admissions Office of the College. Action will be taken soon after the College is notified of the amount of its allocation.

2. *Bridgewater College Loan Fund*—A substantial fund has been established by numerous friends of the college to be loaned to worthy students who are especially in need of aid and whose character justifies it. The policy is to loan up to \$200.00 to sophomores, \$250.00 to juniors, and \$300.00 to seniors. Loans are made on a low rate of interest during the time the student is enrolled in college. The student is required to apply for a loan and give a note with parent's endorsement as security for the loan.

Procedure: Written applications must be filed with the Director of Admissions and Financial Aid.

3. *Church of the Brethren Loan Fund*—The General Brotherhood Board grants a limited amount of its Rotary Loan Fund to each college operated by the Church from which students who are members of the Church of the Brethren may borrow at a low interest rate.

Procedure: The Director of Admissions and Financial Aid of the College will supply further information and take applications upon request.

4. *Miscellaneous Loan Funds*—Civic clubs frequently have loan funds for students. Those who need funds are urged to investigate this source.
5. *Veterans Benefits*—Veterans may use their benefits toward any program provided by Bridgewater College. While information concerning these benefits is available at the Office of Admissions, it is suggested that those interested confer with a representative of the Veterans Administration.



Lowell Miller (center), College treasurer, discusses food costs with James Lawson (left), manager of the cafeteria for Slater's Food Service, and with Slater's Mid-Atlantic Region supervisor (right).



Organization of the College

Board of Trustees

Term Expires 1968

RUSSELL MILLER (Eastern Virginia)*	Arlington
LOREN S. SIMPSON (Eastern Maryland)	Westminster, Maryland
DORSEY A. CLAYTON (Second West Virginia)	Kasson, West Virginia
HENRY C. WYANT (North-South Carolina)	Spartanburg, South Carolina
CHARLES W. WAMPLER	Harrisonburg
S. D. GLICK	Bridgewater
JOHN B. WAMPLER	Dayton
WALTER S. FLORY, JR.	Winston-Salem, North Carolina
CHARLES D. LANTZ	Broadway
ARLENE R. MAY	Timberville
R. DOUGLAS NININGER	Salem

Term Expires 1967

RHETT R. PETCHER (Tennessee-Alabama)	Kingsport, Tennessee
WESLEY W. NAFF (Southern Virginia)	Boones Mill
GALEN E. FIKE (First West Virginia)	Egion, West Virginia
LELAND C. MOOMAW	Roanoke
H. GUS MUNTZING	Moorefield, West Virginia
WINSTON O. WEAVER	Harrisonburg

Term Expires 1966

J. ROGERS FIKE (Western Maryland)	Oakland, Maryland
JOHN M. KLINE (Northern Virginia)	Mt. Crawford
FREDERICK D. DOVE (Middle Maryland)	Hagerstown, Maryland
LOWELL N. LAYMAN	Cloverdale
AARON M. HORST	Hagerstown, Maryland
J. B. DILLON	Bassett
ROBERT M. MCKINNEY	Wilmington, Delaware

Term Expires 1965

HAROLD CRAUN (First Virginia)*	Roanoke
NORMAN SEESE (Mardela)	Easton, Maryland

*State names within parentheses indicate districts of the Church of the Brethren electing trustees to the Board. Other members are trustees-at-large.

Term Expires 1965

FERNE R. HOOVER.....	Timberville
D. WILMER GARBER.....	Woodbridge
A. D. MILLER.....	Roanoke
J. LEE MULLENDORE.....	Hagerstown, Maryland
W. T. SANGER.....	Richmond

Term Expires 1964

JOHN T. GLICK (Second Virginia) *.....	Bridgewater
MARK BOWER (Florida-Georgia).....	Orlando, Florida
MALCOLM A. LONG.....	Baltimore, Maryland
JAMES W. MOYERS.....	Broadway

Ex-officio

WARREN D. BOWMAN.....	Bridgewater
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OFFICERS OF THE BOARD

R. DOUGLAS NININGER.....	President
JAMES W. MOYERS.....	First Vice-president
D. WILMER GARBER.....	Second Vice-president
JOHN W. BOITNOTT.....	Secretary
Bridgewater	
HARRY A. DRIVER.....	Treasurer
Weyers Cave	

MEETINGS OF THE BOARD

First Saturday of April (Annual).....	April 4, 1964
First Saturday of November (Regular).....	November 7, 1964

Administrative Officers

WARREN D. BOWMAN, B.A., M.A., Ph.D., D.D.	President
JOHN W. BOITNOTT, B.A., M.A., Ph.D.	Dean of the College
LOWELL A. MILLER, B.A.	Business Manager and Treasurer
W. DONALD CLAGUE, B.A., M.Ed., Ed.D.	Dean of Students
MARGARET V. FLORY, B.A.	Assistant Dean of Students
JACOB F. REPLOGLE, B.A., B.D.	Director of Alumni Affairs and Church Relations
EDGAR F. WILKERSON, B.A., M.R.E.	Director of Admissions
ORLAND WAGES, B.S., M.S. in L.S.	Librarian
DONNA LEE MILLER, B.S., M.S.	Registrar
PAUL V. PHIBBS, B.A.	Superintendent of Buildings and Grounds

*State names within parentheses indicate districts of the Church of the Brethren electing trustees to the Board. Other members are trustees-at-large.

Faculty

1963-64

WARREN D. BOWMAN.....*President*
B.A., Bridgewater College; M.A., University of Chicago; Ph.D., *ibid*; D.D., Bethany Biblical Seminary; Bridgewater College, 1949-----

JOHN W. BOITNOTT.....*Dean of the College*
B.A., Bridgewater College; M.A., University of Virginia; Ph.D., *ibid*; Bridgewater College, 1947-----

PAUL H. BOWMAN.....*President Emeritus*
B.A., Bridgewater College; M.A., University of Pennsylvania; B.D., *ibid*; Bridgewater College, 1919-46

GUSTAV H. ENSS.....*Professor of German, Emeritus*
M.A., University of Michigan; Th.M., and Th.D., S. W. Baptist Theological Seminary; Bridgewater College, 1947-56

J. MAURICE HENRY.....*Professor of History
and Political Science, Emeritus*
B.A., Bridgewater College; M.A., George Washington University; Ph.D., *ibid*; Bridgewater College, 1928-1952

MINOR C. MILLER.....*Professor of Religious Education, Emeritus*
B.A., Bridgewater College; M.R.E., Boston University; Student, Harvard University; Bridgewater College, 1921-58

MARSHALL R. WOLFE.....*Professor of Bible, Emeritus*
B.A., Blue Ridge College; B.D., Bethany Biblical Seminary; Graduate Student, West Virginia University; Bridgewater College, 1937-55

RAYMOND N. ANDES.....*Professor of Foreign Languages*
B.A., Bridgewater College; M.A., University of North Carolina; Ph.D., *ibid*; Summer Student, University of Paris; Bridgewater College, 1946-----

†ROBERT K. BURNS.....*Interim Professor of Biology*
B.A., Bridgewater College; Ph.D., Yale University; Bridgewater College, 1962-----

W. DONALD CLAGUE.....*Professor of Natural Science
and Dean of Students*
B.A., Bridgewater College; Graduate Student, Columbia University; M.Ed., University of Virginia; Ed.D., *ibid*; Bridgewater College, 1943-----

†Part time.

- DANIEL S. GEISER.....*Professor of Physical Education
and Director of Athletics*
B.A., Juniata College; M.A., Ohio State University; Ed.D., Columbia University; Bridgewater College, 1946——
- LOWELL V. HEISEY.....*Professor of Chemistry*
B.A., Manchester College; M.S., Purdue University; Ph.D., *ibid*; Bridgewater College, 1950——
- †NELSON T. HUFFMAN.....*Professor of Voice and Director of Music*
B.A., Bridgewater College; Graduate, Peabody Conservatory of Music, Voice Certificate; B.M., Cincinnati Conservatory of Music; M.M., Northwestern University; Bridgewater College, 1925——
- HARRY G. M. JOPSON.....*Professor of Biology*
B.S., Haverford College; M.A., Cornell University; Ph.D., *ibid*; Bridgewater College, 1936——
- M. ELLSWORTH KYGER.....*Professor of German*
B.A., Bridgewater College; B.S. in Music Education, *ibid*; M.A., University of Maryland; Ph.D., Catholic University; Bridgewater, 1955 ——
- BERNARD S. LOGAN.....*Professor of Economics*
B.A., Bridgewater College; M.S., University of Wisconsin; Ph.D., *ibid*; Bridgewater College, 1959——
- JOHN W. MARTIN, JR.....*Professor of Chemistry*
B.A., Bridgewater College; B.S., Medical College of Virginia; Ph.D., University of North Carolina; Bridgewater College, 1961——
- CLARENCE E. MAY.....*Professor of English*
B.A., Bridgewater College; M.A., University of Virginia; Graduate Study, Columbia University, School of Extra-mural Studies, University of Birmingham, Stratford-on-Avon, University of London; Bridgewater College, 1946——
- FRANCES E. SILLIMAN.....*Professor of Biology*
B.S., University of Minnesota; M.S., University of Michigan; M.A., University of North Carolina; Ph.D., *ibid*; Bridgewater College, 1944-1953; 1958——
-
- WILLIAM E. BARNETT.....*Associate Professor of Sociology*
B.A., University of Richmond; M.A., University of Virginia; Graduate Study, North Carolina State College; Bridgewater College, 1955——
- RUDOLPH A. GLICK.....*Associate Professor of Mathematics*
B.A., Bridgewater College; M.A., Duke University; Bridgewater College, 1937-42; 1945——
- VICTOR E. GLICK.....*Associate Professor of History*
B.A., Bridgewater College; M.A., University of Chicago; Bridgewater College, 1949——

†Part time.

- S. RUTH HOWE.....*Associate Professor of Home Economics*
B.A., Manchester College; M.Sc., The Pennsylvania State University; Graduate Study, Columbia University, Syracuse University; Bridgewater College, 1945——
- GEORGE WEBSTER KENT.....*Associate Professor of Psychology*
B.A., Franklin College; M.A., University of Oregon; Graduate Study, University of Wisconsin; Bridgewater College, 1954——
- JOHN C. MILLER.....*Associate Professor of English*
B.A., Millsaps College; M.A., University of Virginia; Ph.D., *ibid.*; Bridgewater College, 1962——
- ROGER E. SAPPINGTON.....*Associate Professor of History
and Political Science*
B.A., Manchester College; M.A., Duke University; B.D., Bethany Biblical Seminary; Ph.D., Duke University; Bridgewater College, 1958——
- PHYLLIS J. THOMPSON.....*Associate Professor of English*
B.A., King College; M.A., University of North Carolina; Graduate Study, *ibid.*; Bridgewater College, 1956-59; 1962——
- FRED F. WAMPLER.....*Associate Professor of Education*
B.A., Bridgewater College; M.A., George Washington University; Ed.D., University of Maryland; Bridgewater College, 1957——
- DAVID O. WINFREY.....*Associate Professor of English*
B.A., West Virginia University; M.S., University of Maryland; B.D., Drew University; M.A., University of Maryland; Graduate Study, *ibid.*; Bridgewater College, 1958——
-
- EMMERT F. BITTINGER.....*Assistant Professor of Sociology*
B.A., Bridgewater College; M.A., University of Maryland; B.D., Bethany Biblical Seminary; Graduate Study, University of Maryland; Bridgewater College, 1963——
- NELL KERSH BOITNOTT.....*Assistant Professor of Education*
B.A., Bridgewater College; M.A., Madison College; Bridgewater College, 1947——
- †OLIVE SMITH BOWMAN.....*Assistant Professor of Mathematics*
B.S., Longwood College; M.S., Madison College; Bridgewater College, 1951——
- ROGER E. COLE.....*Assistant Professor of Music*
B.S., Juniata College; Graduate Study, New York College of Music; M.M.Ed., Vandercook College of Music; Bridgewater College, 1954——
- ROBERT E. COLEBERD, JR.....*Assistant Professor of Economics and Business*
B.A., William Jewell College; M.B.A., Cornell University; M.A., University of Illinois; Ph.D., *ibid.*; Bridgewater College, 1962——
- A. OLIVIA COOL.....*Assistant Professor of Piano and Theory*
B.A., Bridgewater College; Teachers Certificate in Music, *ibid.*; Student, Johns Hopkins University; Peabody Conservatory of Music; M.Mus., American Conservatory of Music; Bridgewater College, 1937-40; 1942——

†Part time.

- ELIZABETH G. GEISER. *Assistant Professor of English*
B.A., Juniata College; M.F.A., Yale University; Bridgewater College, 1946; 1952——
- PAUL H. GUNSTEN. *Assistant Professor of Physical Education*
B.A., University of Kentucky; M.A., *ibid*: Bridgewater College, 1953——
- †ROBERT L. HUESTON. *Assistant Professor of Business Administration*
B.A., Bethany College; M.B.A., University of Wisconsin; Certified Public Accountant; Bridgewater College, 1953——
- GEORGE A. KEIM. *Assistant Professor of Physical Education
and Head Football Coach*
B.S., McPherson College; M.S., Kansas State Teachers College; Bridgewater College, 1960——
- PAUL M. KLINE. *Assistant Professor of Art*
B.A., Bridgewater College; M.F.A., Richmond Professional Institute; Bridgewater College, 1959——
- WILLIAM ROBERT MCFADDEN. *Assistant Professor of Bible and Religion
and Director of Student Christian Life*
B.A., Manchester College; B.D., Bethany Biblical Seminary; Graduate Study, Boston University School of Theology; Bridgewater College, 1961——
- LAURA SUSAN MAPP. *Assistant Professor of Physical Education*
B.S., Westhampton College; M.S., University of Tennessee; Bridgewater College, 1961——
- HARLAN D. MUMMERT. *Assistant Professor of Bible*
B.A., LaVerne College; B.D., Bethany Biblical Seminary; Graduate Study, San Francisco Theological Seminary; Bridgewater College, 1963——
- JAMES A. MUMPER. *Assistant Professor of History*
B.A., Swarthmore College; Graduate Study, Yale University; M.Ed., M.A. (sic), University of Virginia; Graduate Study, *ibid*.; Bridgewater College, 1962——
- MELVIN L. MYERS. *Assistant Professor of Physical Education
and Coach of Basketball*
B.A., Bridgewater College; M.A., West Virginia University; Bridgewater College, 1962——
- DEAN ROYCE NEHER. *Assistant Professor of Physics*
B.A., McPherson College; M.A., University of Kansas; Graduate Study, University of Kansas; Bridgewater College, 1961——
- RUTH W. STAUFFER. *Assistant Professor of Organ, Piano, and Theory*
Graduate, Blue Ridge College, Department of Music; Graduate, Peabody Conservatory, Piano Certificate; Student, Johns Hopkins University; B.M., Cincinnati Conservatory of Music; Graduate Study, American Conservatory of Music; Organ Student, Virgil Fox, Chas. M. Courboin, and Nies-Berger; Bridgewater College, 1927——
- JAMES M. STAYER. *Assistant Professor of History*
B.A., Juniata College; M.A., University of Virginia; Graduate Study, Cornell University, University of Freiburg; Bridgewater College, 1962——

†Part time.

- PHILIP E. TROUT.....*Assistant Professor of Music*
B.S., Bridgewater College; M.M., Florida State University; Bridgewater College, 1958——
- †ROBERT E. WAGONER.....*Assistant Professor of Philosophy and Religion*
B.A., Manchester College; Graduate Study, Bethany Biblical Seminary, Harvard University; Bridgewater College, 1962——
- †JAMES H. WARE, JR.....*Assistant Professor of Bible and Religion*
A.B., Baylor University; M.A., *ibid.*; B.D., Southern Baptist Theological Seminary; Graduate Study, Duke University; Bridgewater College, 1963——
- ROBERT J. WEISS.....*Assistant Professor of Mathematics*
B.A., La Verne College; M.A., University of California at Los Angeles; Ph.D., *ibid.*; Bridgewater College, 1962——
-
- †VIRGINIA R. ANDES.....*Instructor in Spanish*
B.A., Belhaven College; Graduate Study, Universidad Nacional de Mexico, University of North Carolina; Bridgewater College, 1953-55; 1956-62; 1963——
- †MIRIAM BOWMAN.....*Instructor in Spanish*
B.A., Bridgewater College; M.A., Western Reserve University Language School; Attended Peabody College for Teachers, Columbia University, University of Virginia; Bridgewater College, 1963——
- †BETTY CLAGUE.....*Instructor in Piano*
B.S., Bridgewater College; Bridgewater College, 1959——
- †MARIE COLE.....*Instructor in Piano and Voice*
B.S., Juniata College; M.A., Madison College; Bridgewater College, 1959——
- VIRGINIA M. CONE.....*Instructor in French*
B.A., Westhampton College; M.A., University of North Carolina; M.A., Syracuse University; Bridgewater College, 1963——
- CHARLES F. FULLER, JR.....*Instructor in Drama and Speech*
B.F.A., Richmond Professional Institute; Bridgewater College, 1963——
- ROBERT B. HOUTS, JR.....*Instructor in Spanish*
B.A., Bob Jones University; M.A., University of Tennessee; Bridgewater College, 1963——
- †BETTY H. KLINE.....*Instructor in Psychology*
B.A., Bridgewater College; M.A., University of Hawaii; Bridgewater College, 1960——
- ANNA MAE MYERS.....*Instructor in Home Economics*
B.S., Bridgewater College; Graduate Study, Virginia Polytechnic Institute; Bridgewater College, 1963——
- RICHARD ALVIN VAUGHN.....*Instructor in Mathematics*
B.S., Roanoke College; M.S., Virginia Polytechnic Institute; Bridgewater College, 1963——

Other Officers and Assistants

BUSINESS OFFICE STAFF

AMY M. MICHAEL.....	<i>Assistant to the Treasurer</i>
BERTHA D. PHIBBS.....	<i>Secretary in Treasurer's Office</i>
LEON W. RHODES, B.A.....	<i>Manager of the College Stores</i>
LORETTA RIFFEY.....	<i>Assistant Manager of the Snack Shop</i>
JAMES LAWSON.....	<i>Manager of Food Service</i>
DANIEL M. THOMPSON.....	<i>Night Officer</i>
O. D. WELLS.....	<i>Night Officer</i>

LIBRARY STAFF

ORLAND WAGES.....	<i>Librarian</i>
AGNES KLINE, B.S. in L.S.....	<i>Assistant Librarian</i>
THELMA REPLOGLE, B.A.....	<i>Assistant Librarian</i>
JOYCE KNICELEY.....	<i>Secretary—Library</i>

HEALTH STAFF

GEORGE S. ROW, M.D.....	<i>College Physician</i>
LOREEN JOHNSON MAY, G.N.....	<i>College Nurse</i>

SECRETARIES

CAROL E. ZIMMERMAN.....	<i>Secretary to the President</i>
JANET E. STEPP.....	<i>Secretary to the Dean</i>
MERLE M. TALIAFERRO.....	<i>Secretary to the Director of Alumni Affairs and Church Relations</i>
LETTIE B. SHULL.....	<i>Secretary to the Director of Admissions</i>
BONNIE SUE MILLER.....	<i>Secretary—Bowman Hall</i>
JEAN M. MICHAEL.....	<i>Secretary—Development Office</i>

DORMITORY STAFF

PAUL AND ENA HYLTON.....	<i>Directors of West Section, Wright Hall</i>
ELBERT AND LILLIAN KINZIE.....	<i>Directors of Middle Section, Wright Hall</i>
JOSEPH JR. AND LOIS WHITMORE.....	<i>Directors of East Section, Wright Hall</i>
MILLER DAVIS AND RALPH HICKS.....	<i>Co-Directors of Wardo Hall</i>
RICHARD AND PATRICIA CLOUGH.....	<i>Director of Yount Hall</i>
MRS. EDITH J. SHELLY.....	<i>Director of Blue Ridge Hall</i>
MRS. EDRISS CROWDER.....	<i>Director of Rebecca Hall</i>
MRS. MARION BEWLEY.....	<i>Director of Daleville Hall</i>
JAMES MAYE.....	<i>Director of Miller House</i>

Councils and Committees

1963-1964

Council on Administration: Bowman, chairman, Boitnott, Clague, Flory, R. Glick, Miller.

Council on Education: Boitnott, chairman, Bowman, Heisey, Jopson, Logan, May, Wampler.

- A. Sub-committee on Admissions and Student Aid: Boitnott, chairman, Clague, Keim, Martin, Wilkerson, director.
- B. Sub-committee on Library: May, chairman, Heisey, Wages, librarian, Kyger, Winfrey.
- C. Sub-committee on Professional Growth: Logan, chairman, Andes, Silliman, Trout, Wampler, Jopson, Wages, May, V. Glick.

Council on Student Affairs: Clague, chairman, Flory, P. Kline, E. Geiser, Coleberd. Student Members: H. Garber, W. Ralston.

- A. Sub-committee on Cultural Activities: Trout, chairman, Flory, E. Geiser, Kline.
- B. Sub-committee on Social Life: Flory, chairman, Mapp, McFadden, Wampler.

Council on Religious Activities: McFadden, chairman, Cool, Neher, Martin. Student Members: Poling, Rudolph.

- A. Sub-committee on Chapels and Convocations: McFadden, chairman, Andes, Wagoner, Trout.

Council on Athletics: D. Geiser, chairman, Jopson, Mapp, Miller.

Summary of Enrollment

Session 1962-63				Summer School, 1963			
	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
Seniors	72	33	105	Resident			
Juniors	81	50	131	Students . . .	33	16	49
Sophomores . . .	111	66	177	Day			
Freshmen	125	106	231	Students . . .	39	36	75
Totals	389	255	644	Totals . . .	72	52	124
Part-Time	16	17	33				
Totals	405	272	677				

Geographical Distribution of Enrollment

Alabama	1	West Virginia	16
Delaware	9	District of Columbia	5
Florida	11	Other States of the U. S.	10
Maryland	101	Foreign Countries	
New Jersey	6	Bahamas	1
New York	2	France	1
North and South Carolina	5	Japan	2
Ohio	2	Malaya	1
Pennsylvania	32	Total	677
Tennessee	5		
Virginia	467		

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